Use & Care Guide

30” Free-Standing Perfect Set™ Electric Range

Electrolux

316471300 Rev B

Finding Information

Table of contents

Finding information 2
SAFETY 3-5
Features 6-9
Getting Started 10-11
- Power up & timers 10
- Control lock & oven lights 11

Settings for Best Results 12-13
Surface Cooking 14
- Cookware 14
- Home canning 14

Setting Surface Controls 15-18
- Setting cooktop controls 16-17
- Setting warmer zone 18

Display Abbreviations 19
Setting Oven Controls 20-37
- Rapid preheat 20
- Bake 21
- Using cook time 22
- Using cook time with end time 23
- Broil 24-25
- Convection bake 26
- Using convection convert 27
- Convection roast 28-29
- Convection broil 30
- Keep warm 31
- Slow cook 32
- Dehydrate 33
- Bread proof 34
- Saving & recalling my favorite recipes 35
- Setting Sabbath mode 36-37

Setting Warmer Oven Controls 39-40
- Keep warm 39-40

Setting Your Preferences 41-46
- Setting clock 41
- Setting clock display (CLO) 41
- Setting 12 or 24 hour mode (CLO) 42
- Changing between F° or C° (F-C) 42
- Setting 12hr energy saving mode (ES) 43
- Setting audio mode (AUD) 43
- Adjusting oven temperature (UPO) 44
- Factory default reset (RST) 45
- User preferences chart 46

Self-Clean 47-48
Care & Cleaning 49-56
- Cleaning recommendations 49-40
- Cooktop maintenance 51
- Cooktop cleaning 51-52
- Oven door removal 53-54
- Changing oven lights 55

Solutions to Common Problems 56-58
Warranty 59

Please read & save this guide

Thank you for choosing **Electrolux**, the new premium brand in home appliances. This *Use & Care Guide* is part of our commitment to customer satisfaction and product quality throughout the service life of your new appliance.

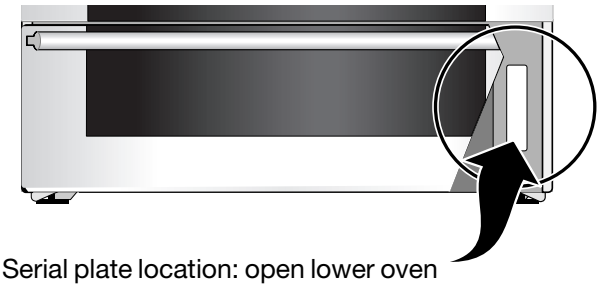
We view your purchase as the beginning of a relationship. To ensure our ability to continue serving you, please use this page to record important product information.

Keep a record for quick reference

Purchase date

Electrolux model number

Electrolux serial number



Serial plate location: open lower oven drawer (some models) or warmer drawer.

NOTE

Registering your product with Electrolux enhances our ability to serve you. You can register online at **www.electroluxappliances.com** or by dropping your Product Registration Card in the mail.

Questions?

For toll-free telephone support in the U.S. and Canada:
1-877-4ELECTROLUX (1-877-435-3287)

For online support and Internet production information visit http://
www.electroluxappliances.com

©2010 Electrolux Home Products, Inc. All rights reserved. Printed in the USA

Important safety instructions

Recognize safety symbols, words and labels

Safety items throughout this manual are labeled with a WARNING or CAUTION based on the risk type as described below:

⚠ WARNING

This symbol alerts you to situations that may cause serious body harm, death or property damage.

⚠ CAUTION

This symbol alerts you to situations that may cause bodily injury or property damage.

Read all of the following safety instructions before using this appliance:

- **Remove all tape and packaging before using the range.** Destroy the carton and plastic bags after unpacking the range. Never allow children to play with packaging material.
- **Proper Installation—Be sure your appliance is properly installed and grounded by a qualified technician in accordance with the National Fuel Gas Code ANSI Z223- latest edition, or in Canada CAN/CGA B149.1 and CAN/GGA B149.2, and the National Electrical Code ANSI/NFPA No.70-latest edition, or in Canada CSA Standard C22.1, Canadian Electrical Code, Part 1, and local code requirements.** Install only per installation instructions provided in the literature package for this range.

  Ask your dealer to recommend a qualified technician and an authorized repair service. Know how to disconnect the power to the range at the circuit breaker or fuse box in case of an emergency.
- **User servicing—Do not repair or replace any part of the appliance unless specifically recommended in the manuals.** All other servicing should be done only by a qualified technician. This may reduce the risk of personal injury and damage to the range.
- **Never modify or alter the construction of a range by removing leveling legs, panels, wire covers, anti-tip brackets/screws, or any other part of the product.**

⚠ WARNING

- All ranges can tip.
- Injury to persons could result.
- Install anti-tip device packed with range.
- See Installation Instructions.

To reduce the risk of tipping, the range must be secured by properly installed anti-tip bracket provided with the range. To check if the bracket is installed properly, visually check that rear leveling leg is inserted into and fully secured by the anti-tip bracket by removing lower panel or storage drawer. For models with a warmer drawer, grasp the top rear edge of the range and carefully attempt to tilt it forward. Refer to the installation instructions for proper anti-tip bracket installation.

⚠ WARNING

- **Never Use Your Appliance for Warming or Heating the Room.**
- **Do not use the oven or Warmer Oven/ Lower Oven (if equipped) for storage.**
- **Stepping, leaning or sitting on the doors or drawers of this range can result in serious injuries and also cause damage to the range.** Do not allow children to climb or play around the range. The weight of a child on an open door may cause the range to tip, resulting in serious burns or other injury.

⚠ CAUTION

Do not store items of interest to children in the cabinets above a range or on the backguard of a range. Children climbing on the range to reach items could be seriously injured.

Save these instructions for future reference.

Important safety instructions

- **Protective liners**—Do not use aluminum foil to line the oven bottom, except as suggested in the manual. Improper installation of these liners may result in a risk of electrical shock, or fire.
- **Storage in or on Appliance—Flammable materials should not be stored in an oven, lower oven drawer, near surface units or in the storage drawer.** This includes paper, plastic and cloth items, such as cookbooks, plasticware and towels, as well as flammable liquids. Do not store explosives, such as aerosol cans, on or near the range.
- **Do not leave children alone—Children should not be left alone or unattended in the area where appliance is in use.** They should never be allowed to sit or stand on any part of the appliance.
- **DO NOT TOUCH SURFACE ZONE, AREAS NEAR THESE ZONE, HEATING ELEMENTS OR INTERIOR SURFACES OF THE OVENS.** ALL surface zones and oven heating elements may be hot even though they are dark in color. Areas near surface zones may become hot enough to cause burns. During and after use, do not touch, or let clothing or other flammable materials touch these areas until they have had sufficient time to cool. Among these areas are the cook top, surfaces facing the cook top, the oven vent openings and surfaces near these openings, oven door and window.
- **Wear proper apparel—Loose-fitting or hanging garments should never be worn while using the appliance.** Do not let clothing or other flammable materials contact hot surfaces.
- **Do not use water or flour on grease fires—Smother the fire with a pan lid, or use baking soda, a dry chemical or foam-type extinguisher.**
- **When heating fat or grease, watch it closely.** Fat or grease may catch fire if allowed to become too hot.
- **Use only dry potholders - Moist or damp potholders on hot surfaces may result in burns from steam.** Do not let potholders touch hot heating elements. Do not use a towel or other bulky cloth instead of a potholder.

IMPORTANT

Do not attempt to operate the range during a power failure. If the power fails, always turn off the range. If the range is not turned off and the power resumes, the range will begin to operate again. Once the power resumes, reset the clock and oven function.

- **Do not heat unopened food containers - Buildup of pressure may cause container to burst and result in injury.**
- **Remove the oven door from any unused range if it is to be stored or discarded.**

Important instructions for using your cooktop

- **Know which control operates each surface heating zone**. Place a pan of food on the unit before turning it on, and turn the zone off before removing the pan.
- **Use proper pan size**—This appliance is equipped with one or more surface units of different sizes. Select utensils having flat bottoms large enough to cover the surface unit heating element. The use of undersized utensils will expose a portion of the heating element to direct contact and may result in ignition of clothing. Proper relationship of utensil to element will also improve efficiency.
- **Utensil handles should be turned inward and not extend over adjacent surface elements**—To reduce the risk of burns, ignition of flammable materials, and spillage due to unintentional contact with the utensil, the handle of the utensil should be positioned so that it is turned inward, and does not extend over adjacent surface units.
- **Never leave surface elements unattended at high heat settings**—Boilovers cause smoking and greasy spillovers that may ignite, or a pan that has boiled dry may melt.
- **Do not immerse or soak removable heating elements—**Heating elements should never be immersed in water. Heating elements clean themselves during normal operation.

Important safety instructions

- **Glazed cooking utensils**—Only certain types of glass, glass/ceramic, ceramic, earthenware, or other glazed utensils are suitable for cook top service without breaking due to the sudden change in temperature. Check the manufacturer's recommendations for cook top use.
- **When flaming foods under a ventilating hood, turn the fan on.**

For Ceramic-glass cooktop models

- **Do not cook on broken cook top**—If cook top should break, cleaning solutions and spillovers may penetrate the broken cook top and create a risk of electric shock. Contact a qualified technician immediately.
- **Clean cook top with caution**—If a wet sponge or cloth is used to wipe spills on a hot cooking area, be careful to avoid a steam burn. Some cleaners can produce noxious fumes if applied to a hot surface.

Important instructions for using your oven

- **Use care when opening oven door or lower oven drawer (if equipped)**—Stand to the side of the range when opening the door of a hot oven. Let hot air or steam escape before you remove or replace food in the oven.
- **Keep oven vent ducts unobstructed.** The oven vent is located under the left rear surface element if your model is equipped with coil elements. The oven vent is located below the backguard for models equipped with ceramic-glass cook tops. Touching the surfaces in this area when the oven is operating may cause severe burns. Also, do not place plastic or heat-sensitive items on or near the oven vent. These items could melt or ignite.
- **Placement of oven racks.** Always place oven racks in desired location while oven is cool. If rack must be moved while oven is hot use extreme caution. Use potholders and grasp the rack with both hands to reposition. Do not let potholders contact the hot heating elements in the oven. Remove all utensils from the rack before moving.
- **Do not use the broiler pan without its insert.** The broiler pan and its insert allow dripping fat to drain and be kept away from the high heat of the broiler.
- **Do not cover the broiler insert with aluminum foil. Exposed fat and grease could ignite.**
- **Cold temperatures** can damage the electronic control. When using the appliance for the first time, or when the appliance has not been used for an extended period of time, be certain the unit has been in temperatures above 32°F (0°C) for at least 3 hours before turning on the power to the appliance.

Important instructions for cleaning your range

- **Clean the range regularly to keep all parts free of grease that could catch fire.** Pay particular attention to the area underneath each surface element. Do not allow grease to accumulate.
- **Kitchen cleaners and aerosols—Always follow the manufacturer's recommended directions for use.** Be aware that excess residue from cleaners and aerosols may ignite causing damage and injury.
- **Clean ventilating hoods frequently—Grease should not be allowed to accumulate on the hood or filter.** Follow manufacturer's instructions for cleaning.

Self cleaning ovens

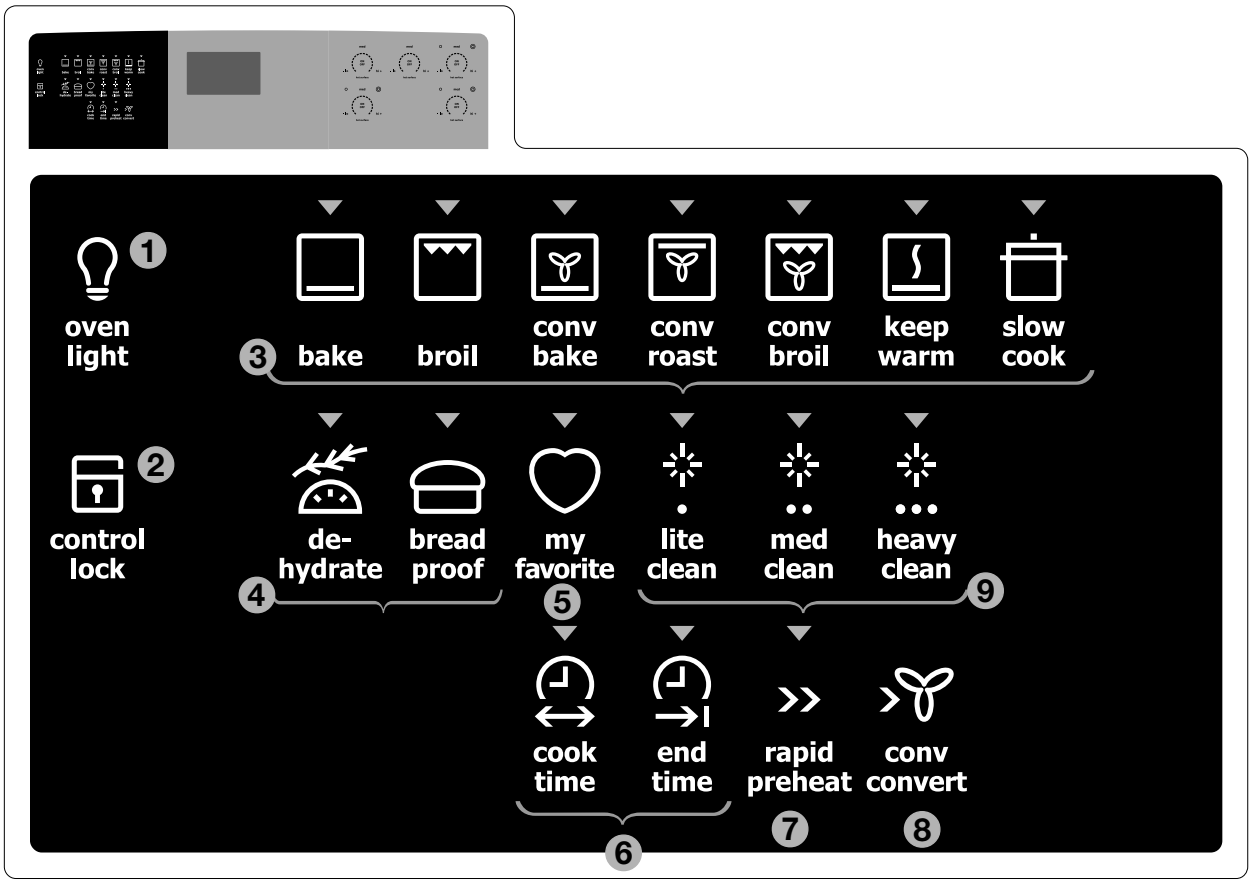
- **Clean in the self-cleaning cycle only the parts listed in this Use & Care Manual.** Before self cleaning the oven, remove the broiler pan and any utensils or foods from the oven.
- **Do not use oven cleaners**—No commercial oven cleaner or oven liner protective coating of any kind should be used in or around any part of the oven.
- **Do not clean door gasket**—The door gasket is essential for a good seal. Care should be taken not to rub, damage or move the gasket.
- The health of some birds is extremely sensitive to the fumes given off during the self-cleaning cycle of any range. Move birds to another well-ventilated room.

Important safety notice

The California Safe Drinking Water and Toxic Enforcement Act requires the Governor of California to publish a list of substances known to the state to cause cancer, birth defects or other reproductive harm, and requires businesses to warn customers of potential exposure to such substances.

Features

Perfect Set™ oven features & options

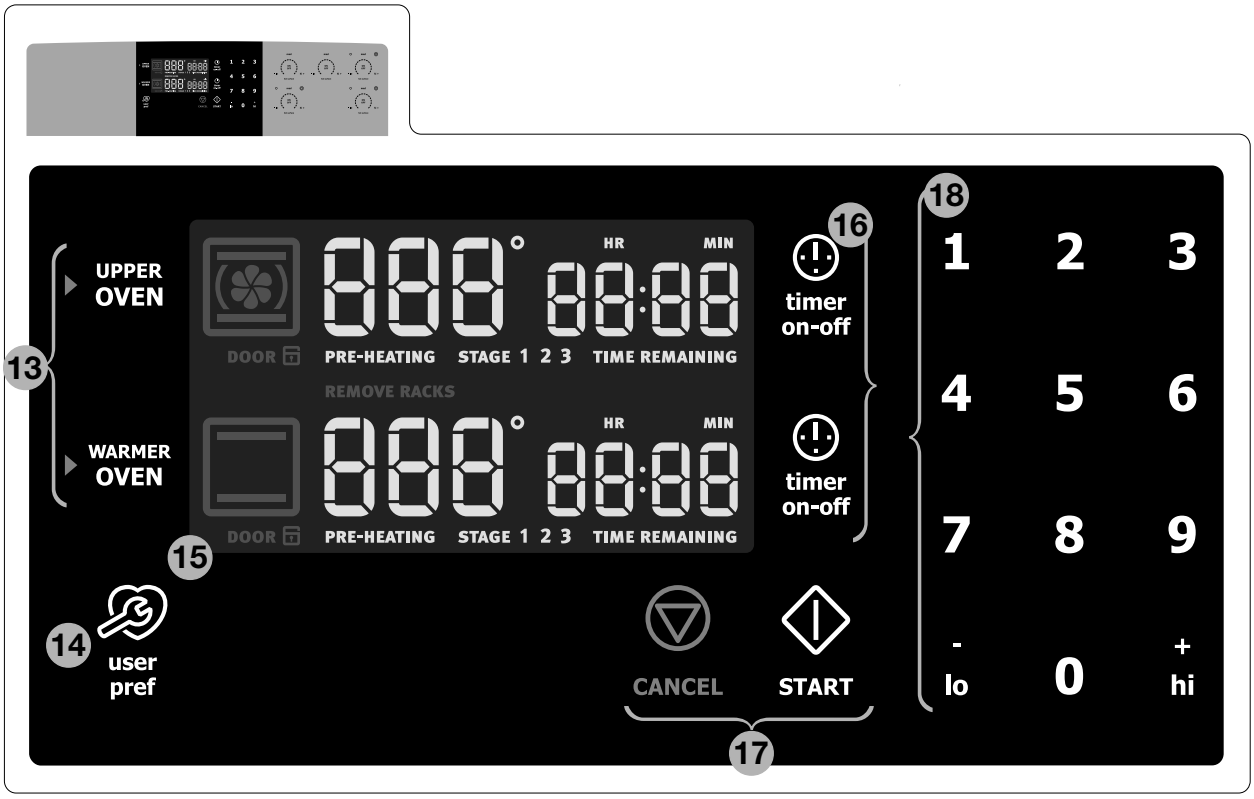


1. Luxury-Lighting™ interior oven lights *-pg 11-*
2. Control lock *-pg 11-*
3. Standard cooking
   - Bake *-pg 21-*
   - Broil *-pg 24-*
   - Perfect-Convect³™ convection bake *-pg 26-*
   - Perfect-Convect³™ convection roast *-pg 28-*
   - Perfect-Convect³™ convection broil *-pg -30-*
   - Keep warm *-pg 31-*
   - Slow cook *-pg 32-*
4. Specialized cooking
   - Dehydrate - *pg 33-*
   - Bread proof *-pg 34-*
5. Favorite settings *-pg 35-*
6. Cooking time
   - Cook time *-pg 22-*
   - End time *-pg 23-*
7. Rapid preheat *-pg 20-*
8. Convection convert *-pg 27-*
9. Cleaning *-pg 47-48-*

Minimum & maximum control settings

Feature	Min. temp	Max. temp
Bake (upper)	170°F / 76°C	550°F / 288°C
Bread Proof	Lo (85°F / 30°C)	Hi (100°F / 38°C)
Broil	300°F / 148°C	550°F / 288°C
Conv Bake	170°F / 76°C	550°F / 288°C
Conv Roast	170°F / 76°C	550°F / 288°C
Conv Broil	300°F / 148°C	550°F / 288°C
Keep Warm	150°F/66°C	190°F/88°C
Slow Cook	Lo (225°F / 108°C)	Hi (275°F / 135°C)
Dehydrate	100°F / 38°C	225°F / 108°C

Perfect Set™ oven control display & keys



13. Oven key pads
- Sure-2-fit™ Upper oven
- Warmer oven

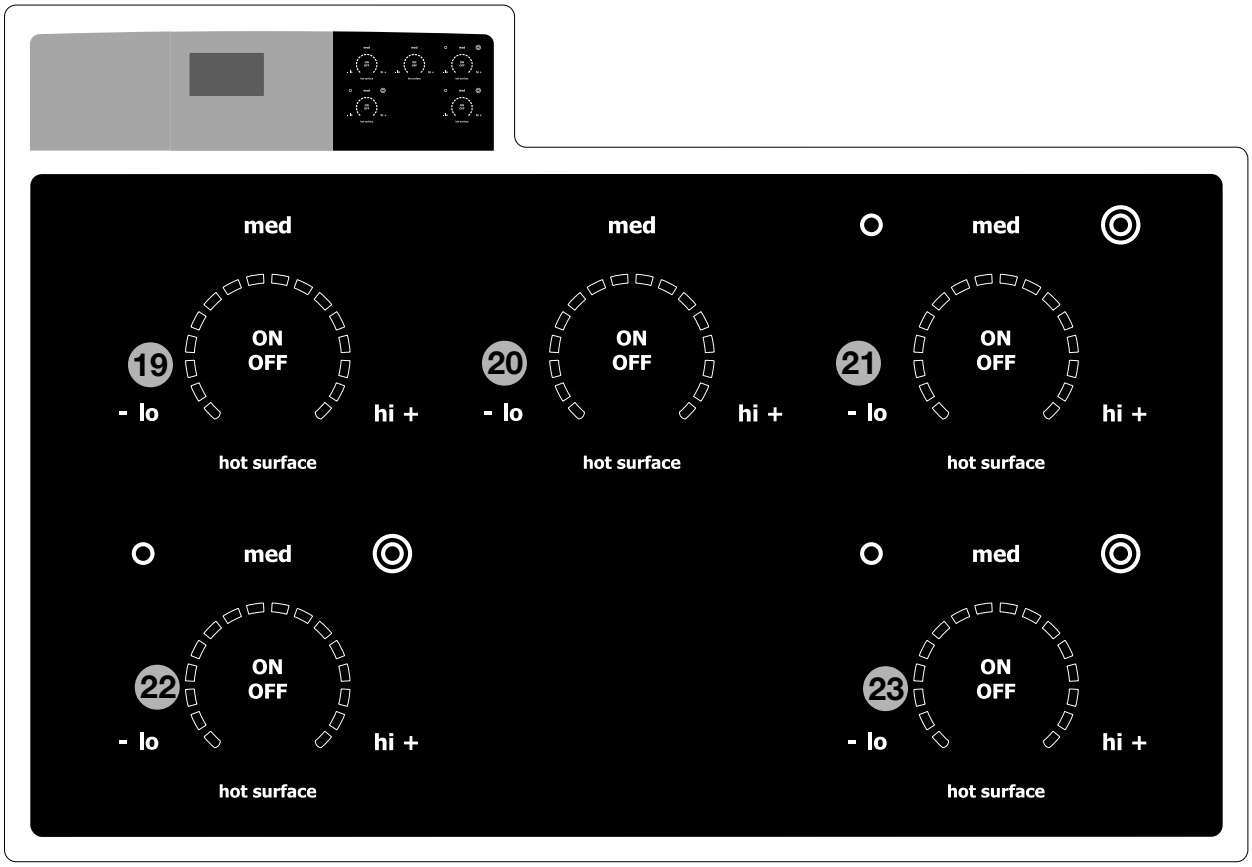
14. User preferences *-pg 41-46-*

The following options are available under User Preferences:
- Clock setting *-pg 10 & 41-*
- Clock display setting *-pg 41-*
- 12 hr/ 24 hr *-pg 42-*
- Fahrenheit / Celsius *-pg 42-*
- 12 Hr energy save mode on/off *-pg 43-*
- Audio mode *-pg 43-*
- UPO offset (temp. adjust) or reset *-pg 44-*
- Factory default reset *-pg 45-*

15. Oven display
16. Timers *-pg 10-*
17. Cancel & Start key pads
18. Numeric key pads

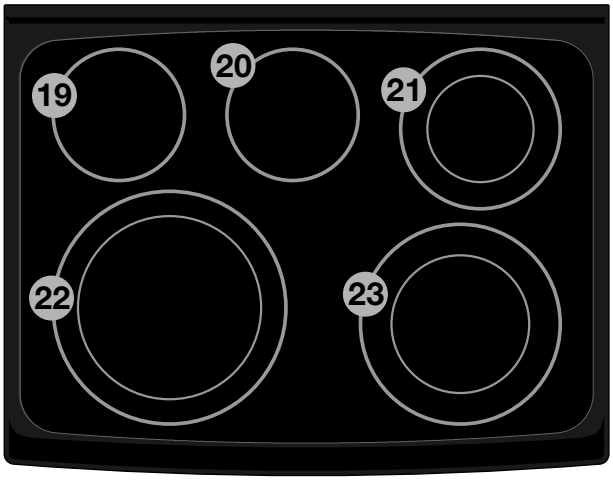
Minimum & maximum time settings		
Feature	**Min. time**	**Max. time**
Timer 1	1 min	11 hr 59 min
Timer 2	1 min	11 hr 59 min
Clock 12 hr	1:00 hr	11 hr 59 min
Clock 24 hr	0:00 hr	23 hr 59 min
Cook time 12 hr	1 min	11 hr 59 min
Cook time 24 hr	1 min	23 hr 59 min
End time 12 hr	1:00 hr	12 hr 59 min
End time 24 hr	0:00 hr	23 hr 59 min
Clean duration	Lite (2 hr)	Heavy (4 hr)

Perfect Set™ cooktop control display



Cooktop controls - *pg 15-18* -

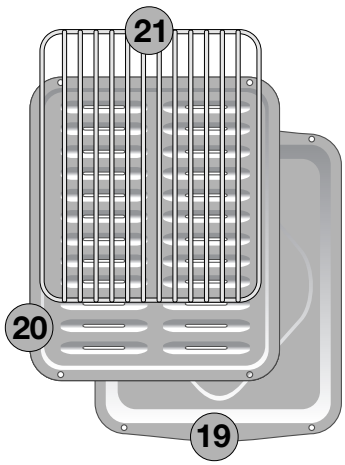
19. Left rear 6 in. single radiant element (1200W)
20. Warming zone 6 in. element (100W)
21. Right rear 5/7 in. expandable radiant element (750/1800W)
22. Left front 9/12 in. expandable radiant element (1700/2700W)
23. Right front 6/9 in. high wattage expandable radiant element (1200/3000W)



Perfect Set™ range features

Your electric range features include:

1. Perfect Set™ glass control panel.
2. Perfect Set™ electronic oven & surface controls & timers.
3. Sure-2-fit™ cobalt blue self-cleaning upper oven interior.
4. Self-clean oven door latch.
5. Automatic interior oven door light switch.
6. Theatre style upper oven interior halogen Luxury-Lighting™ system.
7. Perfect-Convect^{3}™ convection fan system.
8. 1 fully extendable Luxury-Glide™ telescoping interior oven rack.
9. 1 offset & 1 handle interior oven rack (not shown).
10. Oven rack sensor.
11. Large 1-piece metal upper & lower oven door handles.
12. Color coordinated or stainless steel oven exterior panels & trim.
13. Full-width tinted oven door window glass.
14. Warmer oven.
15. Warmer oven door window glass.
16. Easy to clean upswept color coordinated or stainless steel cooktop.
17. Ceramic smoothtop.
18. Leveling legs & anti-tip bracket (included).
19. Broiler pan (some models).
20. Broiler pan insert (some models).
21. Convection roasting rack (some models).



Setting clock at power up

You will be prompted to enter the time of day in the event of a **power failure** or when you **first provide electric power** to your appliance.

- When your appliance is first powered up, 12:00 will flash in the display.
- Enter the time of day using the numeric key pads and press **START** to set.

If an invalid time of day is entered, the control will triple beep. Re-enter a valid time of day and press **START**. If **CANCEL** is pressed your clock will start with the time set for **12:00**.

Select the user pref key to modify the time of day during other situations such as day light savings.

Timers

The two timers provided with the oven control serve as extra reminders in the kitchen. When a timer reaches less than 1 minute the display will start to count down in seconds. When the time runs out the active timer will beep, "**00:00**" will display and the timer key will flash.

The following time settings apply to the timers:

- Min. time: 1 minute
- Max. time: 11 hours 59 minutes

See example below to set the timer for 5 minutes:

Example	
Step	Press
1. Press **TIMER**	
2. Enter **5** minutes	**5**
3. Press **TIMER**	

To cancel after setting the timer, press the **TIMER** key again.

NOTE

The timer(s) will not affect the cooking process.

Changing settings

Software controls the upper and lower ovens so that both may be set to operate at the same time with unique settings. It is very important to understand that before setting or modifying either oven, you must first **select** which oven you desire to set or modify.

The display will provide which oven is currently **selected** for setting/changes by displaying a small red triangle indicator next to the upper or warmer oven text -*Fig.1*-.

If the upper oven text symbol displays the red triangle indicator but you wish to set or change the settings for the lower oven, press WARMER OVEN once to change the oven selection. Then make any changes to the settings. You may toggle between either oven and make setting changes at any time. You may also make cooktop settings or modifications without having to make an oven selection.

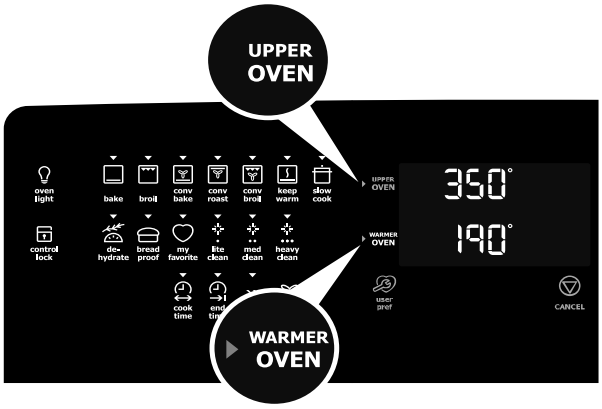


Fig.1

Preheat Temperature Display

Once a cooking feature has been started for either the upper or lower oven the control will display the actual oven temperature while preheating. Once the oven reaches the oven set temperature only the oven set temperature will display.

Control lock

The control lock will lock the oven controls, cook top controls and the upper oven door. Once locked, the upper oven light will not switch from on to off or off to on.

Control lock is available only in the awake mode.

See example below to lock the upper oven and the cooktop.

Example	
Step	Press
To lock, press and hold **CONTROL LOCK** for 3 seconds.	
To unlock, press and hold **CONTROL LOCK** for 3 seconds.	

DOOR will flash in the display until the door has finished locking. Once the door has been locked the door lock indicator will turn on. LOC will then display for the upper oven cavity only.

Do not attempt to open the oven door while the door lock indicator is flashing.

Interior Luxury-Lighting™

Your appliance includes interior oven Luxury-Lighting™ that gradually brightens and dims the lights for both the upper and lower ovens.

The key controls the interior oven lights.

This model includes 2 halogen lights in the upper oven and one standard appliance light located on the rear wall of the lower oven.

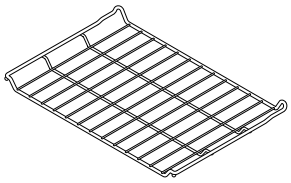
The oven lights will automatically turn ON whenever the upper oven door is opened. The lights will remain on until the door has been shut.

To replace any of the interior light bulbs see “Changing the oven lights” in the Care and Cleaning section.

Upper oven racks

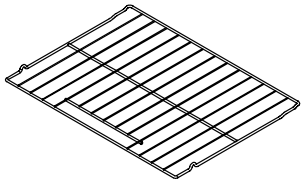
Types of oven racks

Your appliance is equipped with 3 styles of interior oven racks; 1 offset oven rack, 1 handle oven rack and 1 fully extendable **Luxury-Glide™** oven racks.



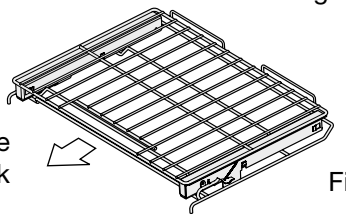
offset oven rack

Fig. 1



handle oven rack

Fig. 3



fully extendable glide oven rack

Fig. 2

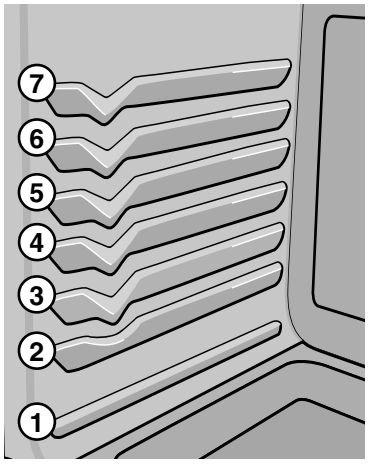


Fig. 4

Air circulation in the oven

For best air circulation and baking results allow a space of 2-4" (5-10 cm) around the cookware for proper air circulation and be sure pans and cookware do not touch each other, the oven door, sides or back of the oven cavity. The hot air must be able to circulate around the pans and cookware in the oven for even heat to reach around the food.

Fig. 5 - Proper pan spacing using single oven rack.

Fig. 6 - Proper pan spacing using 2 oven racks.

⚠ CAUTION

Always use potholders or oven mitts when removing food or adjusting the oven racks. Wait until the oven has completely cooled if possible. Oven racks may be **HOT** and may cause burns.

The **offset** -*Fig 1*- oven rack may be used in all of the rack positions. The offset design provides additional height options. For maximum available space if preparing a large turkey, it is suggested to place the rack near the oven bottom (rack positions 1 or 2) - *refer to Fig. 4.* Do not extend the offset rack past the oven door when in the lowest rack position.

The fully extendable **glide** racks -*Fig. 2*- make food preparation easier. Especially when preparing heavier dishes. The glide oven rack has 2 glide tracks that allow you to extend your food away from the oven effortlessly without rubbing the sides of the oven wall.

Baking layer cakes with 1 or 2 oven racks

For best results when baking cakes using 2 oven racks, place cookware on rack positions 2 & 5 (- *refer to Fig. 4.* For best results when using a offset oven rack, place cookware on rack position 2 or 3.

Upper oven racks

⚠ CAUTION

Always use potholders or oven mitts when removing food or adjusting the oven racks. Wait until the oven has completely cooled if possible. Oven racks may be **HOT** and may cause burns.

Removing and replacing oven racks (not illustrated)

- **To remove** pull the oven rack straight forward until it reaches the stop position. Lift up front of oven rack slightly and slide out.
- **To replace**, fit the oven rack onto the rack guides on the oven walls. Tilt the front of the rack upward slightly and slide the oven rack completely back into place (not shown).

Removing and replacing the Luxury-Glide™ oven racks

To remove using one hand, reach through handle opening on top of glide rack and lift up on the release lever located across the lower front of the rack as shown -*Fig. 1*-.

While holding up on the release lever, pull the glide rack out of the oven until you reach the oven rack stop position -*Fig. 2*-. Using both hands, grasp the upper and lower portions of the glide rack. Lift up the front of the rack slightly and continue to pull the rack away from the oven -*Fig. 3*-. Be sure to grasp both upper and lower rack portions together when removing or handling the glide rack - the rack portions move independently and are difficult to handle unless held together.

To replace - grasp **both upper and lower portions** of glide rack, lift and place the rack resting evenly between the oven cavity walls. Tilt the front of the rack upward slightly and slide the rack completely into position. Some force may be necessary to make sure the oven rack has snapped completely back into place.

NOTE

DO NOT attempt to close the oven door until all the oven racks are properly positioned inside the oven cavity. Be sure the glide oven racks make contact with the vertical rack sensor located at the left rear oven cavity wall *(see item #10, page 9)*.

Luxury-Glide™ extendable oven rack

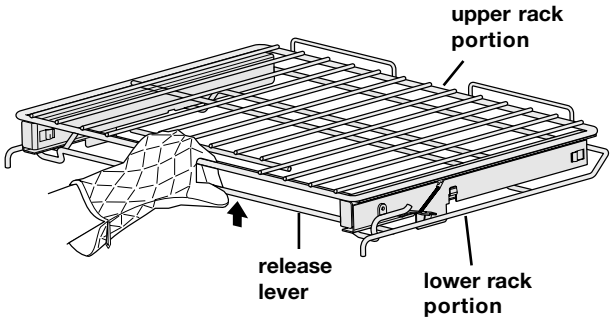


Fig. 1

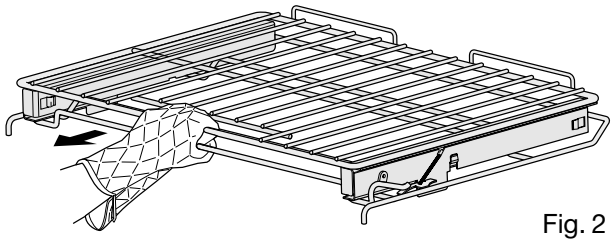


Fig. 2

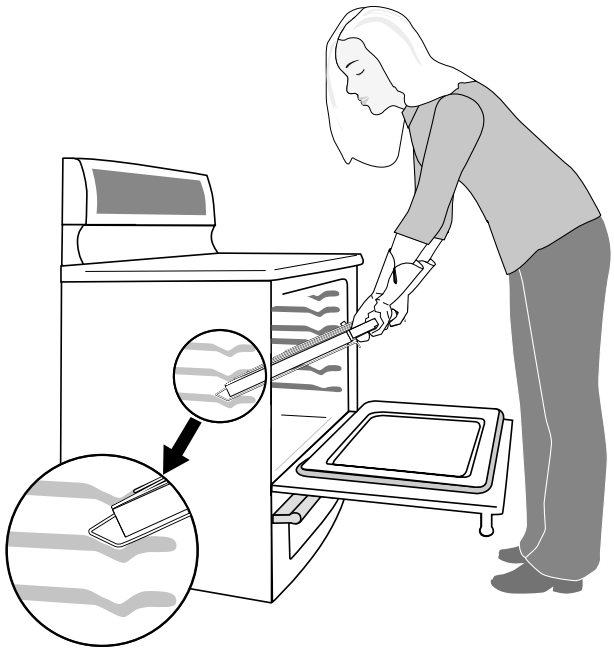


Fig. 3

Cookware

Using proper cookware

The size and type of cookware used will influence the setting needed for best cooking results. Cookware should have flat bottoms that make good contact with the entire surface heating element. Check for flatness by rotating a ruler across the bottom of the cookware.

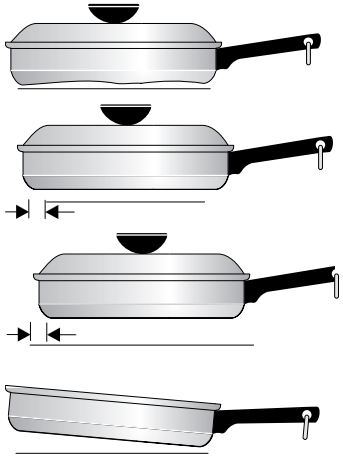
Be sure to follow the recommendations for using proper cookware as illustrated.

Cookware should always:

- Have a flat bottom.
- Have tight fitting lids.
- Be well balanced.
- Be made of a material that conducts heat well.
- Be easy to clean.
- Match to the size of the cooktop pattern diameter.

Cookware should never:

- Have a curved or warped bottom.
- Overhang the element by more than one-half inch.
- Be smaller than the element
- Have a heavy handle that tilts pan.



For more information about the ceramic cooktop see "Cooktop Cleaning & Maintenance" in the **Care & Cleaning** section.

Cookware material types

The cookware material determines how evenly and quickly heat is transferred from the surface element to the pan bottom. The most popular materials available are:

- **Aluminum -** Excellent heat conductor. Some types of food will cause it to darken (anodized aluminum cookware resists staining & pitting). If aluminum pans slide across the ceramic cooktop, they may leave metal marks which will resemble scratches. Remove these marks immediately.
- **Copper -** Excellent heat conductor but discolors easily. May leave metal marks on ceramic glass (see Aluminum above).
- **Stainless steel -** Slow heat conductor with uneven cooking results. Is durable, easy to clean and resists staining.
- **Cast iron -** A poor heat conductor however will retain heat very well. Cooks evenly once cooking temperature is reached. Not recommended for use on ceramic cooktops.
- **Porcelain-enamel on metal -** Heating characteristics will vary depending on base material. Porcelain-enamel coating must be smooth to avoid scratching ceramic cooktops.
- **Glass-** Slow heat conductor. Not recommended for ceramic smoothtop because it may scratch the glass.

Home Canning

Be sure to read and observe all the following points when home canning with your appliance. Check with the USDA (United States Department of Agriculture) website and be sure to read all the information they have available as well as follow their recommendations for home canning procedures.

- Use only quality flat bottom canners when home canning. Use a straight-edge to check canner bottom.
- Use only a **completely flat bottom canner** with no ridges that radiate from the bottom center when home canning using a ceramic cooktop.
- Make sure the diameter of the canner does not exceed 1 inch beyond the surface element markings or burner. It is recommended to use smaller diameter canners on electric coil and ceramic glass cooktops.
- Start with hot tap water to bring water to boil more quickly.
- Use the highest heat seating when first bringing the water to a boil. Once boiling is achieved, reduce heat to lowest possible setting to maintain that boil.

IMPORTANT

NEVER place or straddle a cooking utensil over 2 different surface cooking areas at the same time. This may cause the ceramic cooktop to fracture.

How the cooktop works

About the ceramic glass cooktop

The ceramic cooktop has radiant surface elements located below the surface of the glass. The design of the ceramic cooktop outlines the area of the surface element underneath. **Make sure** the diameter of the pan matches the diameter of the element outline on the cooktop. Heat is transferred up through the surface of the cooktop to the cookware. Only flat-bottom cookware should be used. The type and size of cookware, the number of surface elements in use and the settings, are all factors that will affect the amount of heat that will spread to areas beyond the surface elements. The areas surrounding the elements may become **hot enough to cause burns.**

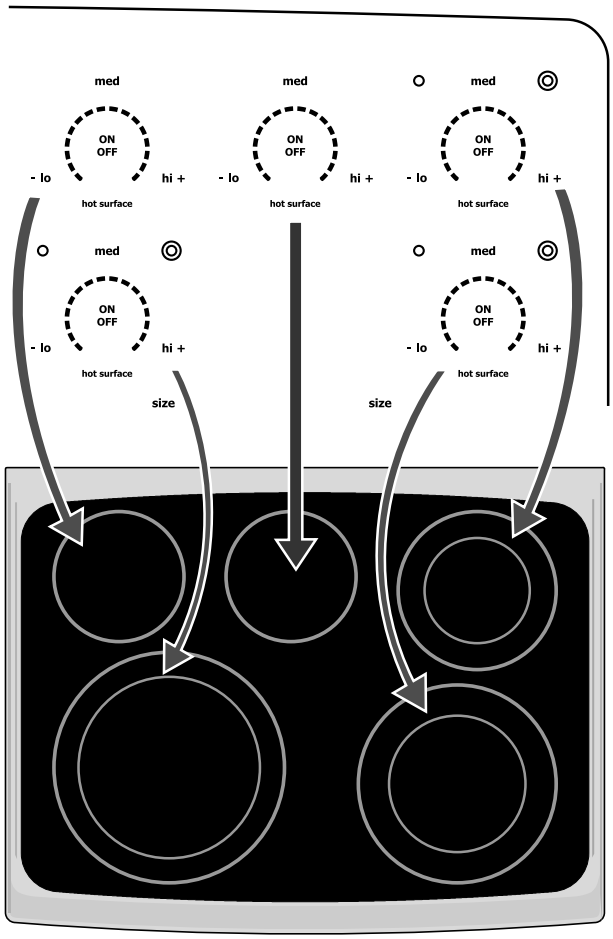
About the radiant surface elements

The element temperature rises gradually and evenly. As the temperature rises, the element will glow red. To maintain the selected setting, the element will cycle on and off. The heating element retains enough heat to provide a uniform and consistent heat during the off cycle. For efficient cooking, turn off the element several minutes before cooking is complete. This will allow residual heat to complete the cooking process.

Your range is equipped with radiant surface burners with different wattage ratings. The ability to heat food quicker and in larger volumes increases as the element wattage increases.

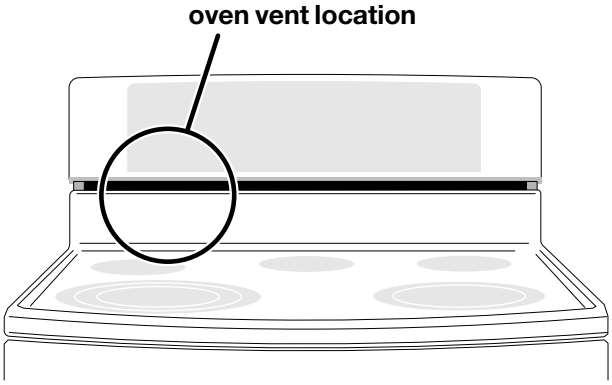
NOTES

- Radiant elements have a limiter that allows the element to cycle ON and OFF, even at the HI setting. This helps to prevent damage to the ceramic cooktop. Cycling at the HI setting is normal and can occur if the cookware is too small for the radiant element or if the cookware bottom is not flat *(refer to page 14 for using correct cookware on the cooktop)*.
- Please read the detailed instructions for ceramic glass cooktop cleaning in both the **Care and Cleaning** and **Before You Call** sections of this Use and Care Guide.



Oven vent location

The oven vent is located under the left side of the control panel. When the upper oven is operational, warm air will pass through this vent naturally. The venting is necessary for proper air circulation and provides good baking results in the upper oven. DO NOT BLOCK THIS VENT.



Setting the Perfect-Set™ cooktop

The cooktop controls provide 5 digital display windows to help set power levels for the cooking zones located on the cooktop. These settings work the same way as traditional knob settings except the settings are made using a touch sensitive panel and show settings using LED style displays.

Available cooktop settings

Your cooktop control provides 15 different power level settings for each of the 5 cooking or heating zones (including the warming zone). These displays have keypads that allow the user to first activate (**ON/OFF**) the needed element and then to quickly turn that element ON using 3 preset power levels (**lo**, **med** or **hi**). - *See Figs. 4 through 6* -

In addition to the automatic settings, the **+** and **-** keypads allows for more precise level adjustments between the automatic settings.

Element size indicators

Two of the cooktop element positions display additional red keypads -*Fig. 2* - that allows the user to switch between single or dual elements sizes quickly whenever the cooking zone is active.

- 1 circle = **inner element only**
- 2 circles = **inner and outer elements combined**

Hot Surface Alert

After using any of the radiant element positions the ceramic cooktop will become very hot. Even after turning the surface controls off, the cooktop will remain hot for some time after use.

The cooktop control monitors the temperature of the cooktop surface and displays the message **hot surface** when the cooktop is still too hot to touch -*Fig. 1*. If the **hot surface** message remains displayed, the heating zone may be set again and used for cooking.

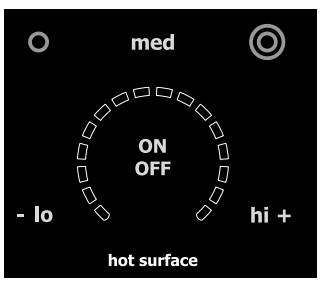


Fig. 1

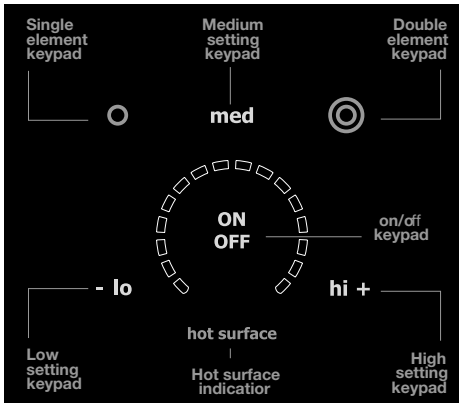
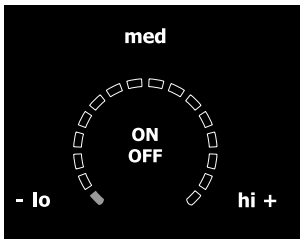
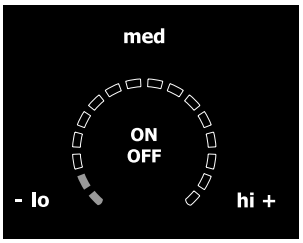


Fig. 2



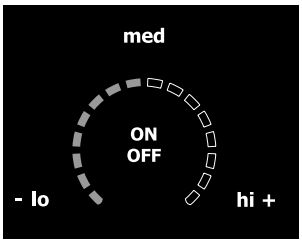
active

Fig. 3



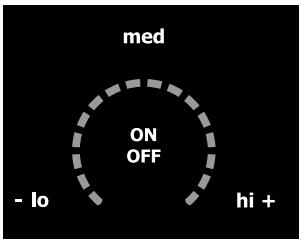
set for low

Fig. 4



set for medium

Fig. 5



set for high

Fig. 6

⚠ CAUTION

- Radiant surface elements may appear to have cooled after they have been turned off. The **glass surface may still be hot** and burns may occur if the glass surface is touched before it has cooled sufficiently.
- **Do not** place plastic items such as salt and pepper shakers, spoon holders or plastic wrappings on top of the range when it is in use. These items could melt or ignite. Potholders, towels or wooden spoons could catch fire if placed too close to the surface elements.

Setting the Perfect-Set™ cooktop

Setting cooktop elements

- Touch the **ON OFF** key to activate the desired heating zone.
- If the heating zone has more than one element diameter size available, press the desired element ring size symbol.
- Press the desired power level key once (**hi+**, **med** or **lo-**) for quick automatic settings or for more precise level settings use the **hi+** or **lo-** keys. Each press of the **hi+** will increase or **lo-** keypad will decrease the power one level at a time. Any of these power level changes or ring size changes may be made any time during the heating process.

Suggested cooktop power settings

Use the chart -*Fig. 1*- to determine the suggested setting for the type of food you are preparing and refer to -*Fig. 2*- to help determine the power level setting when using the control display.

The power level areas illustrated are only suggested areas to set the control -*Fig. 2*. Be sure to monitor your food whenever using the cooktop and adjust as needed for the type of food you are preparing.

NOTES

- Pressing a cooktop **ON OFF** key only activates or deactivates a surface cooktop zone but will not start the heating process. Activating and powering any surface cooktop zone requires pressing two keys - the **ON OFF** key first and then a power level selection (**+**, **-** or **med**) must be added before the cooktop zone will begin heating.
- Any of the cooking zones will begin to heat ONLY when activated -*See Fig 3, pg 16*. If a power level is not added to the active cooking zone within 10 seconds of being active the control will automatically deactivate the cooking zone.
- If activating a surface cooking zone when no surface cooking zones are active, you will need to press and hold the **ON OFF** key for a few seconds longer than normal before the first cooking zone will activate. Once any cooking zone is active, any zones added will respond immediately.

Suggested Surface Power Level Settings (except Warming Zone)	
Setting	**Type of surface cooking**
Low (**lo**)	**Keep warm, melting or simmering**
Medium low	**Keep foods cooking, poach or stew**
Medium (**med**)	**Maintain a slow boil, thicken sauces, gravies or steam vegetables**
Medium high	**Continue a rapid boil, fry, deep fat fry**
High (**hi**)	**Start most foods, bring water to boil or pan broiling**

Fig. 1

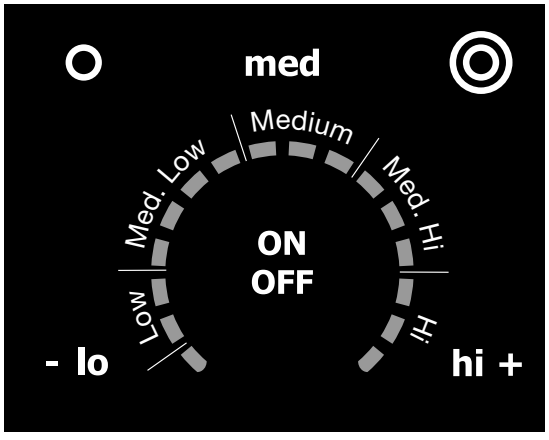


Fig. 2

About the warming zone

Use the warming zone -*Fig. 1*- to keep hot cooked foods warm such as; vegetables, gravies, casseroles, soups, stews, breads, pastries and oven-safe dinner plates. DO NOT heat cold food using the warming zone.

Use only plates, cookware and utensils recommended for oven and ceramic cooktop use. **Do not use plastic wrap or aluminum foil** to cover foods. Plastic or aluminum foil may melt onto the ceramic cooktop.

⚠ CAUTION

The warming zone will not glow red when it becomes hot, but becomes **hot enough to cause burns**. Avoid placing hands on or near the warming zone until the warming zone **Hot Surface** indicator light is OFF. Always use potholders or oven mitts when removing food from the warming zone as cookware and plates will be hot.

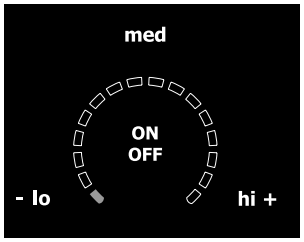
Warming zone temperature selection

Use the suggested warming zone food settings when choosing a food type to keep warm -*Fig. 8*-. Set the power level for the warming zone using the warming zone control display -*See Figs. 3 through 7*-. Be sure to monitor your food whenever using the warming zone.

Suggested settings for warming zone	
Food item	**Heat level**
Hot beverages	Med. Hi or Hi
Fried foods	Med. Hi or Hi
Vegetables	Medium
Soups (cream)	Medium
Stews	Medium
Sauces	Medium
Meats	Medium
Gravies	Med. or Med. Lo
Eggs	Med. or Med. Lo
Dinner plates with food	Lo
Casseroles	Lo
Breads/pastries	Lo

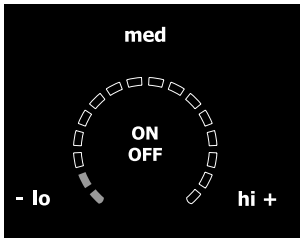
Fig. 8

Fig. 1



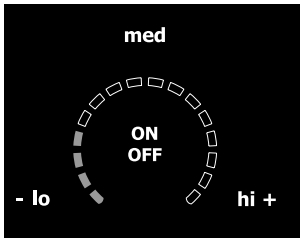
active

Fig. 2



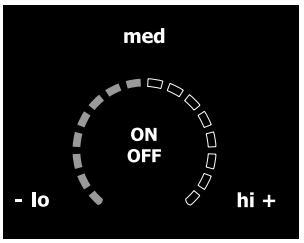
set for low

Fig. 3



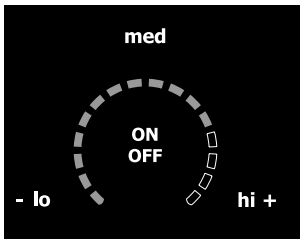
set for med.-low

Fig. 4



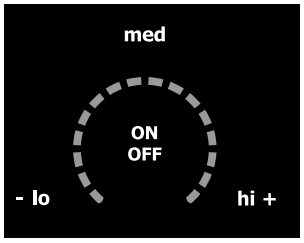
set for medium

Fig. 5



set for med.-hi

Fig. 6



set for hi

Fig. 7

About the warming zone

Setting the warming zone

- Touch the **ON OFF** key to activate the warming zone.
- Press the desired power level key once (**hi+**, **med** or **lo-**) for the quick automatic settings or for more precise level settings use the **hi+** or **lo-** keys. Each press of the **hi+** will increase or **lo-** keypad will decrease the power one level. Any of these power level changes may be made any time during the warming process.

For best results

- Always start with hot cooked food.
- When warming pastries or breads the cover should have an opening to allow moisture to escape.
- All food placed on the warming zone should be covered with a lid to maintain moisture.

NOTES

- Pressing a cooktop **ON OFF** key only activates or deactivates the warming zone but will not start the heating process. Activating and powering any surface cooktop zone requires pressing two keys - the **ON OFF** key first and then a power level selection (**+**, **-** or **med**) must be added before the cooktop zone will begin heating.
- Any of the cooking zones will begin to heat ONLY when activated -*See Fig 2 pg 18*. If a power level is not added to the active cooking zone within 10 seconds of being active the control will automatically deactivate the cooking zone.
- If activating a surface cooking zone when no surface cooking zones are active, you will need to press and hold the **ON OFF** key for a few seconds longer than normal before the first cooking zone will activate. Once any cooking zone is active, any zones added will respond immediately.

List of displayed abbreviations

See the chart below for common abbreviations that you may see while using your appliance.

Abbreviantions Chart	
Message	**Message explanation**
CLn	Self clean
CLO	Setting the clock
dEF	Defrost
d-O	Door open
End	End of cycle
F10*	Fault code error
Hi	Hi setting
Hot	Hot oven
Lo	Lo setting
Loc	Control lock
SAb	Sabbath mode
Sd	Demo mode
SF	Sabbath mode failure
CF	Check food

*This is an example of a fault code that you may see. These codes will help your servicer repair your appliance.

About rapid preheat

Use the rapid preheat option on **single rack baking** to quickly bring the upper oven to baking temperature.

The rapid preheat option may be set with the following cooking features:

- Bake
- Conv bake
- Conv roast

The following temperature settings apply to the rapid preheat feature:

- Auto-suggest (default) setting: **350°F/176°C**
- Min. rapid preheat setting**: 170°F / 76°C**
- Max. rapid preheat setting**: 550°F / 288°C**

Setting rapid preheat

See example below to set a rapid preheat with bake to start immediately using default temperature.

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **BAKE**	
3. Press **RAPID PREHEAT**	
4. Press **START**	

When START is pressed the oven will preheat quickly. The control will display PRE-HEATING during this time. While PREHEATING the Convection fan may operate.

After a few minutes a beep will sound and PRE-HEATING will no longer display. Place prepared food on a single oven rack. The oven will continue to bake at the set temperature until bake is canceled.

NOTE

You may press **CANCEL** at any time when setting the control or during the cooking process.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

For best results

- **Single oven rack cooking ONLY**.
- Use oven rack positions 2 or 3.

About baking in upper oven

Use the bake feature to cook most food items that require normal cooking temperatures.

Bake may be set with the following options:

- Rapid preheat
- Cook time
- Cook time with end time

The following temperature settings apply to the bake feature:

- Auto-suggest (default) setting: **350°F/176°C**
- Min. bake setting: **170°F / 77°C**
- Max. bake setting: **550°F / 288°C**

Setting bake for upper oven

See example below to set a bake to start immediately using the default temperature.

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **BAKE**	
3. Press **START**	

Once START is pressed the oven will begin heating. The oven display shows PRE-HEATING. While PREHEATING the Convection fan may operate.

After the oven reaches set temperature, PRE-HEATING will turn off and a beep will indicate the oven is ready. The oven will continue to maintain this temperature until the cooking feature is canceled.

If your recipe requires a different baking temperature than the auto-suggested (default) temperature (example below shows upper oven temperature set for 425°F/218°C) :

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **BAKE**	
3. Enter **425°F**	**425**
4. Press **START**	

For best results

- Place food items in rack positions 2 or 5.
- When using the offset oven rack, place in rack position 2 or 3.
- When placing multiple food items in the oven allow 2-4" (5-10cm) of space between the food items for proper air circulation.
- For best results when baking cakes using 2 oven racks, place cookware on rack positions 2 & 5.

NOTE

You may press **CANCEL** any time when setting the control or during the cooking process.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

Using cook time in upper oven

Adding a cook time when baking is beneficial when a recipe requires a specific temperature and period of time to cook. Following the recipe cook time helps insure the best possible results.

Cook time may be set with the following features:

- Bake
- Conv bake
- Conv roast
- Slow cook
- Dehydrate
- Bread proof
- Keep warm

NOTE

- You may press **CANCEL** any time when setting the control or during the cooking process.

See example below to set the upper oven for bake, starting immediately with preheating to the auto-suggest (default) setting of 350°F (176°C) and then to automatically turn off after 30 minutes:

Example	
Step	Press
Preheat the oven if necessary	
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **BAKE**	
3. Press **START**	
4. Press **COOK TIME**	
5. Enter **30** minutes	30
6. Press **START**	

Once **START** is pressed the oven will cook and after 30 minutes automatically shut-off.

Using cook time with end time in upper oven

Adding a cook time along with a specific end time gives the same benefits as the cook time option in addition to controlling exactly when the cooking process will begin and end.

Cook time and end time may be set with the following features:

- Bake
- Convection bake
- Convection roast
- Slow cook
- Clean (delayed Clean uses end time only)
- Dehydrate
- Bread proof
- Keep warm

NOTES

- When setting the **END TIME** option be sure the correct time of day is set.
- You may press **CANCEL** any time when setting the control or during the cooking process.
- You may also choose to use **COOK TIME** with no **END TIME** (See pg 22).

See example below to set the upper oven with preheating for bake at 375°F (176°C) for 50 minutes and to automatically shut-off at 5:30:

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **BAKE**	
3. Enter **375**°F	**375**
4. Press **COOK TIME**	
5. Enter **50** minutes	**50**
6. Press **END TIME**	
7. Enter **5:30**	**530**
8. Press **START**	

Once START is pressed, the oven will calculate the start time at which the oven will begin heating. The oven display shows PRE-HEATING. While PREHEATING the Convection fan may operate.

After the oven reaches set temperature, PRE-HEATING will turn off and a beep will indicate the oven is ready. The oven will continue to maintain this temperature for the selected time or until the cooking feature is canceled.

Broiling in upper oven

Use the broil feature to cook meats that require direct exposure to radiant heat for optimum browning results. This cooking feature is only available in the upper oven.

Use the conv broil feature to cook thicker cuts of meats that require direct exposure to radiant heat and the convection fan for optimum browning results *-p. 30-*.

The following temperature settings apply to the broil feature:

- Auto-suggest (default) setting: **550°F / 288°C**
- Min. broil setting: **300°F / 148°C**
- Max. broil setting: **550°F / 288°C**

⚠ WARNING

Should an oven fire occur, close the oven door. If the fire continues, throw baking soda on the fire or use a fire extinguisher. **Do not** put water or flour on the fire. Flour may be explosive and water can cause a grease fire to spread and cause personal injury.

⚠ CAUTION

- **Do not** use the broiler pan without the insert.
- **Do not** cover the broil pan/insert with aluminum foil; the exposed grease could ignite.
- To prevent food from contacting the broil element and to prevent grease splattering, **do not** use the roasting rack when broiling.

For best results

- Use the recommended pans and oven rack positions for the type of meat being prepared - *p.25 Figs. 3 & 4-.*
- For optimum browning results, allow the oven to preheat **5-6 minutes** before placing the food in the oven.

Setting broil

See example below to set broil for the upper oven starting immediately with the auto-suggest (default) setting:

Example	
Step	Press

1. Place the broiler insert on the broiler pan, then place the meat on the insert. Remember to follow all warnings and cautions.
2. Arrange the interior oven rack to rack position recommendations *-p. 25 Figs. 2 & 4-*. Be sure to place the prepared food and pan directly under broil element. **Leave the oven door open slightly (about 4 inches) in the broil position.** *-p. 25 Fig. 1-*
3. Press **UPPER OVEN** — UPPER OVEN
4. Press **BROIL**
5. Press **START**

NOTE

You may press **CANCEL** any time while setting the control or during the broiling process.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

Setting broil

The broil pan insert (if equipped) contains slots that allows grease from the meat to drain into the broil pan. Place prepared meat on broil pan insert and then place onto broiler pan as shown -*Fig. 3*-.

Recommended broiling times

Use the broiling table -*Fig. 2*- for approximate recommended broiling times for the types of meats listed. Increase or decrease broiling times, or move the broiling pan to a different rack position to suit for doneness.

If the food you are broiling is not listed in the table, follow the instructions provided in your recipe and watch the item closely.

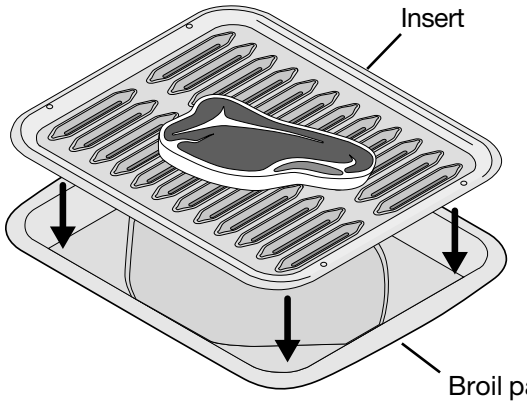
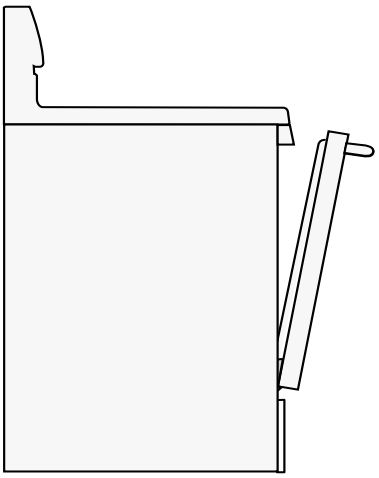


Fig. 3



Broil position

Fig. 1

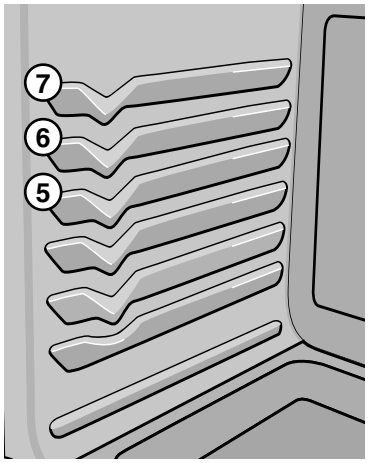


Fig. 4

Broiling Table					
Food	**Rack position**	**Temp**	**Cook time in minutes**		
			1st side	**2nd side**	**Doneness**
Steak 1” thick	5th or 7th*	550°F	6	4	Medium
Steak 1” thick	6th or 7th*	550°F	7	5	Medium-well
Steak 1” thick	6th or 7th*	550°F	8	7	Well
Pork chops 3/4” thick	6th	550°F	8	6	Well
Chicken-bone in	5th	450°F	20	10	Well
Chicken-boneless	6th	450°F	8	6	Well
Fish	6th	500°F	13	n/a	Well
Shrimp	5th	550°F	5	n/a	Well
Hamburger 1” thick	7th*	550°F	9	7	Medium
Hamburger 1” thick	6th	550°F	10	8	Well

*Use the off-set rack if you choose to use oven rack position 7.

Fig. 2

About convection bake

Convection bake is part of the Perfect-Convect³™ system. Convection bake uses a fan to circulate the oven heat evenly and continuously. The improved heat distribution allows for even cooking with excellent results. Multiple rack cooking may slightly increase cook times for some foods, but the overall result is time saved.

The conv bake feature should ONLY be used when your recipe instructions have been written for use with convection baking.

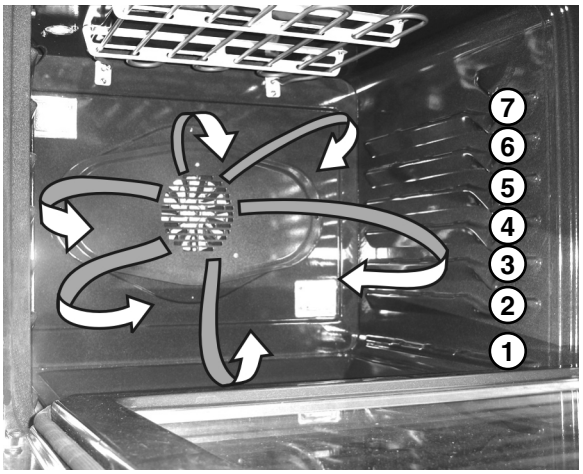
If your recipe instructions are for normal baking and you wish to use convection bake, follow the **Convection Convert** option instructions. The convection convert option will automatically adjust the oven temperature so that convection baking may provide the best possible results.

Conv bake may be set with the following options:

- Conv convert
- Cook time or cook time with end time
- Rapid preheat

Benefits of convection bake:

- Superior multiple oven rack performance.
- Some foods cook up 25 to 30% faster, saving time and energy.
- No special pans or bakeware required.



Setting convection bake

The following temperature settings apply to the conv bake feature:

- Auto-suggest (default) setting: **350°F/176°C**
- Min. bake setting **: 170°F / 76°C**
- Max. bake setting: **550°F / 288°C**

See the example below to set conv bake, starting immediately with the auto-suggest (default) setting of 350°F (176°C):

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **CONV BAKE**	
3. Press **START**	

Once **START** is pressed the oven will begin heating. The oven display shows **PRE-HEATING** during this time.

After the oven reaches set temperature, **PRE-HEATING** will turn off and a beep will indicate the oven is ready. The oven will continue to maintain this temperature until the cooking feature is canceled.

For best results

- When baking with a single rack use rack positions 2 or 3. When using 2 racks use rack positions 2 & 5. When using 3 racks use rack positions 2, 3 & 5.
- Cookies and biscuits should be baked on pans with no sides or very low side to allow heated air to circulate around the food.
- Food baked on pans with a dark finish will cook faster.
- When placing multiple food items in the oven allow 2-4” (5-10cm) of space between the food items for proper air circulation.

NOTE

- You may press **CANCEL** any time when setting the control or when cooking.

Using convection convert

The conv convert option allows you to convert any normal baking recipe using the convection bake feature. The control uses the normal recipe settings and adjusts to a lower temperature for convection baking. Conv convert must be used with CONV BAKE feature.

Benefits of conv bake using conv convert option:

- Superior multiple oven rack performance.
- Some foods cook up 25 to 30% faster, saving time and energy.
- No special pans or bakeware required.

For best results

- Place food items using the recommended rack positions. When baking with a single rack use rack positions 2 or 3. When using 2 racks use rack positions 2 and 5. When using 3 racks use rack positions 2, 3 and 5.
- Cookies and biscuits should be baked on pans with no sides or very low side to allow heated air to circulate around the food.
- Food baked on pans with a dark finish will cook faster.
- When placing multiple food items in the oven allow 2-4" (5-10cm) of space between the food items for proper air circulation.

NOTE

- You may press **CANCEL** any time when setting the control or during the cooking process.

Setting convection convert

See the example below to set conv bake, starting immediately with the auto-suggest (default) setting of 350°F (176°C) and adding the conv convert option.

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **CONV BAKE**	
3. Press **CONV CONVERT**	
4. Press **START**	

Once **START** is pressed the oven display shows **PRE-HEATING**. After the oven reaches the converted set temperature, **PRE-HEATING** will turn off and a beep will indicate the oven is ready.

The added conv convert option will automatically **lower** the set temperature you set from the bake recipe to an adjusted conv bake temperature.

When conv convert is used with cook time the time remaining will flash when the cook time is 75% complete. The control will also beep at regular intervals until baking has finished.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

About convection roast

How convection roast works

Convection roast is part of the Perfect-Convect³™ system. Convection roast combines a cook cycle with the convection fan and element to rapidly roast meats and poultry. Heated air circulates around the meat from all sides, sealing in juices and flavors. Meats cooked with this feature are crispy brown on the outside while staying moist on the inside. In addition, there is no need to reduce the oven temperature when using convection roast.

Convection roast may be set with the following options:

- Cook time or cook time with end time
- Rapid preheat

The following temperature settings apply to convection roast:

- Factory auto-start default: **350°F/176°C**
- Minimum: **170°F / 76°C**
- Maximum: **550°F / 288°C**

Benefits of convection roast:

- Superior multiple oven rack performance.
- Some foods cook up 25 to 30% faster, saving time and energy.
- No special pans or bakeware required.

For best results

- Preheating is not necessary for most meats and poultry.
- Place food items using the recommended rack positions for the type of food being prepared.
- When placing multiple food items in the oven allow 2-4" (5-10cm) of space between the food items for proper air circulation.
- Be sure to carefully follow your recipe's temperature and time recommendations or refer to the convection roast chart for additional information -*p. 29, Fig. 2*-.

Setting convection roast

See example below to set convection roast to start immediately with the auto-suggest (default) setting:

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **CONV ROAST**	
3. Press **START**	

Once START is pressed the oven will begin heating. The oven display shows PRE-HEATING.

After the oven reaches set temperature, PRE-HEATING will turn off and a beep will indicate the oven is ready.

NOTE

- You may press **CANCEL** any time when setting the control or during the cooking process.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

Roasting recommendations

Roasting rack instructions (some models)

When preparing meats for convection roasting, you may use the broiler pan, insert and the roasting rack supplied with your appliance. The broiler pan will catch grease spills and the insert will help prevent grease splatters. The roasting rack fits on top of the insert allowing the heated air to circulate under the food for even cooking and helps to increase browning on the underside.

1. Place oven rack on bottom or next to the bottom oven rack position.
2. Place the insert on the broiler pan.
3. Make sure the roasting rack is securely seated on top of the insert. **Do not** use the broiler pan without the insert. **Do not** cover the insert with aluminum foil.
4. Position food (fat side up) on the roasting rack. *-Fig. 1-*
5. Place prepared food on oven rack in the oven.

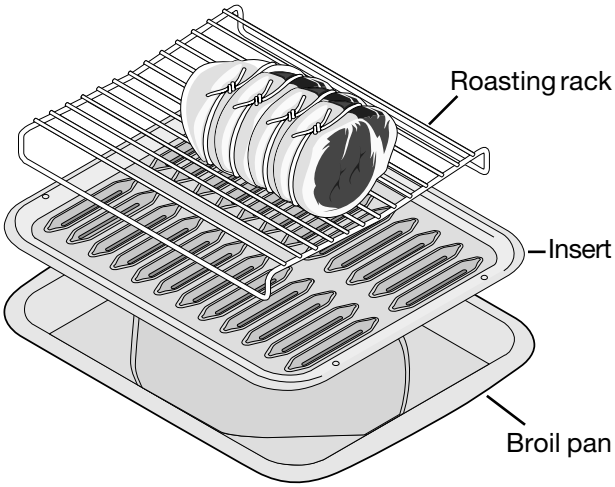


Fig. 1

Convection Roasting Chart

Meat		Weight	Oven temp	Internal temp	Minute per lb.
Beef	Standing rib roast	4 to 6 lbs.	350°F	*	25-30
	Rib eye roast	4 to 6 lbs.	350°F	*	25-30
	Tenderloin roast	2 to 3 lbs.	400°F	*	15-25
Poultry	Turkey, whole**	12 to 16 lbs.	325°F	180°F	8-10
	Turkey, whole **	16 to 20 lbs.	325°F	180°F	10-15
	Turkey, whole **	20 to 24 lbs.	325°F	180°F	12-16
	Chicken	3 to 4 lbs.	350°F -375°F	180°F	12-16
Pork	Ham roast, fresh	4 to 6 lbs.	325°F	160°F	30-40
	Shoulder blade roast	4 to 6 lbs.	325°F	160°F	20-30
	Loin	3 to 4 lbs.	325°F	160°F	20-25
	Pre-cooked ham	5 to 7 lbs.	325°F	160°F	30-40

Fig. 2

** For beef: med rare 145°F, med 160°F, well done 170°F.*

*** Stuffed turkey requires additional roasting time. Shield legs and breast with foil to prevent overbrowning and drying of the skin.*

About convection broiling

Convection broiling is part of the Perfect-Convect[3TM] system. Use the conv broil feature to cook thicker cuts of meats that require direct exposure to radiant heat and the convection fan for optimum browning results. This cooking feature is only available for the upper oven.

The following temperature settings apply to the conv broil feature:

- Auto-suggest (default) setting: **550°F / 288°C**
- Min. convection broil setting: **300°F / 148°C**
- Max. convection broil setting: **550°F / 288°C**

⚠ WARNING

Should an oven fire occur, leave the oven door closed and turn the oven OFF. If the fire continues, throw baking soda on the fire or use a fire extinguisher. **Do not** put water or flour on the fire. Flour may be explosive and water can cause a grease fire to spread and cause personal injury.

⚠ CAUTION

- **Do not** use the broiler pan without the insert. **Do not** cover the broil pan or insert with aluminum foil; the exposed grease could ignite.
- To prevent food from contacting the broil element and to prevent grease splattering, **do not** use the roasting rack when broiling.

For best results

- Use the recommended pans and rack positions. *-p.25 Figs. 2 & 4-*
- For optimum results preheat oven for 5-6 minutes.

Setting convection broil

See example below to set conv broil for the upper oven to start immediately with the auto-suggest (default) setting.

Example	
Step	Press

1. Place the broiler insert on the broiler pan, then place the meat on the insert. Remember to follow all warnings and cautions.
2. Arrange the interior oven rack *-p. 25 Figs. 2 & 4-* for position recommendations. Be sure to place the prepared food and pan directly under broil element. **Close the oven door** *-p. 25 Fig. 1-.*
3. Press **UPPER OVEN** — UPPER OVEN
4. Press **CONV BROIL**
5. Press **START**

NOTE

You may press **CANCEL** any time when setting the control or during the cooking process.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

About keep warm

Use the keep warm feature to keep hot foods warm. Keep warm may be set with the following options:

- Cook time
- Cook time with end time

The following temperature settings apply to the keep warm feature:

- Auto-suggest (default) setting: **170°F / 76°C**
- Min. keep warm setting: **150°F / 66°C**
- Max. keep warm setting: **190°F / 88°C**

⚠ WARNING

- **FOOD POISONING HAZARD. Do not let food sit for more than one hour before or after cooking. Doing so may cause bacteria to grow which can result in food poisoning or sickness.**
- To prevent food from contacting the broil element and to prevent grease splattering, **do not** use the roasting rack when broiling.

NOTE

You may press **CANCEL** any time when setting the control or during the cooking process.

Setting keep warm

See example below to set keep warm for the upper oven to start immediately with the auto-suggest (default) setting.

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **KEEP WARM**	
3. Press **START**	

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

About slow cook

The slow cook feature may be used to cook foods more slowly at lower oven temperatures. The cooking results will be like that of a Slow Cooker or Crock-Pot. This feature is ideal for roasting beef, pork & poultry. Slow cooking meats may result in the exterior of meats becoming dark but not burnt; this is normal. Slow cook may be set in the upper or lower oven.

Slow cook may be set with the following options:

- Cook time
- Cook time with end time

The following temperature settings apply to the slow cook feature:

- HI: 275°F/ 134°C (default) for cooking 4 to 5 hours
- Lo: 225°F / 108°C for cooking 8 to 9 hours

For best results

- Completely thaw all frozen foods before cooking.
- When using a single oven rack, place in position 2 or 3.
- Position multiple racks to accommodate size of cooking utensils when cooking multiple food item.
- Add any cream or cheese sauces during the last hour of cooking.
- Do not open the oven door often or leave the door open when checking foods. The more heat that is lost, the longer the food will need to cook.
- Cover the foods to keep them moist or use a loose or vented type cover to allow foods to turn crisp or brown.
- Roasts may be left uncovered so browning can occur. Cook times will vary depending on the weight, fat content, bone & the shape of the roast.
- Preheating the oven will not be necessary.

Setting slow cook

See the example below to set a slow cook on Lo.

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **SLOW COOK**	
3. Press **-lo** to choose the **Lo** option *-Fig. 2-.*	- lo
4. Press **START**	

Fig.1

Fig. 2

NOTE

You may press **CANCEL** any time when setting the control or during the cooking process.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

About dehydrate

The dehydrate feature dries with heat from the convection element. The heat is circulated throughout the oven by the convection fan. Use dehydrate to dry and/or preserve foods such as fruits, vegetables, herbs and very thin slices of meat. Dehydrate may be set in the upper oven only. The Convection fan may operate while dehydrating.

The following temperature settings apply to the dehydrate feature:

- Auto-suggest (default) setting: **120°F / 48°C**
- Min. dehydrate setting: **100°F / 38°C**
- Max. dehydrate setting: **225°F / 108°C**

Setting dehydrate

See the example below to set dehydrate at the default temperature of 120°F.

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **DEHYDRATE**	
3. Press **START**	

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

For best results

- Dry most fruits and vegetables at 140°F. Dry herbs at 100°F.
- Drying times vary depending on the moisture and sugar content of the food, the size of the pieces, the amount being dried and the humidity in the air.
- Treat fruits with antioxidants to avoid discoloration.
- Tightly woven cooling racks can be used to allow the air to circulate around the food; or use drying racks to allow the air to circulate around the food (this type of oven rack is not supplied with this appliance).
- Consult a food preservation book or library for information.

About bread proof

The bread proof feature maintains a warm environment useful for rising yeast-leavened products. Bread proof may be set in the upper oven only.

Bread proof may be set in conjunction with the following feature:

- My favorite

The following temperature settings apply to the bread proof feature:

- Auto-suggest (default) setting: **100°F/38°C**
- Min. bread proof setting: **85°F/30°C**
- Max. bread proof setting: **100°F / 38°C**

For best results

- Lightly cover the dough.
- Place a bowl of hot water on the rack below.
- Use the oven light to check progress. Do not open the oven door.

Setting bread proof

See example below to set bread proof for 85°F / 30°C.

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **BREAD PROOF**	
3. Press and continue to press **-lo** to advance to 85°F	- lo
4. Press **START**	

NOTE

You may press **CANCEL** any time when setting the control or during the cooking process.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

About my favorite

You may store up to 2 of your most frequently used heat settings and cooking times, for setting or recalling.

The favorite key will allow you to store a cooking feature, oven set temperature and a cook time for either the upper oven or warmer oven.

Saving my favorite instructions

The example below shows how to save a favorite cooking instruction for the upper oven.

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Input the cooking instructions using the control keypads and any additional options you wish to save and later recall.	
3. Press **START**	
4. Press and hold the available **MY FAVORITE** for 3 seconds	
5. Press **CANCEL***	

You will hear a beep and a red light will display above the selected favorite to indicate that your favorite recipe has been stored.

*If you wish to store the cooking instructions but not start the oven.

Recalling a favorite

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Choose **MY FAVORITE**	
3. Press **START**	

Deleting/overwriting a favorite

Once the favorite key has been filled you may choose to overwrite an existing favorite. Follow the same instructions to save a recipe; choose the favorite you wish to overwrite and hold for 3 seconds.

It is not necessary to delete a favorite before saving another. Choose the favorite key and store the new cooking instructions using the overwriting instructions.

Sabbath mode

This appliance provides special settings for use when observing the Jewish Sabbath/Holidays. This mode will turn off all audible tones or visual display changes normally provided by the oven control. **BAKE** and **cooktop** heating are the only cooking features available while in the Sabbath mode.

You must first set the **BAKE** feature and temperature needed for the upper oven, the **COOK TIME** option if needed and any cooktop power levels before setting the Sabbath mode. Any settings made prior to setting the Sabbath mode will be visible in the displays. The **COOK TIME** option, if set prior to the Sabbath mode, will give 1 audible alert at the end of **COOK TIME**.

The Sabbath mode will override the factory preset 12 Hour Energy Saving mode and the appliance will stay on until the cooking features are cancelled. If any of the cooking features are cancelled when the appliance is in the Sabbath mode, no audible or visual indicators will be available to verify the cancellation.

If the oven interior lights are needed, be sure to activate them prior to setting the Sabbath mode. Once the oven light is turned ON and the Sabbath mode is active, the oven light will remain on until the Sabbath mode is turned off and the oven lights are turned off. The oven door will not activate the oven interior lights when the oven door is opened or closed.

It is recommended that any oven temperature modification made within an active Sabbath mode be followed with 2 presses of the **START** key. This will insure the oven remains ON even if an attempt is made to set the oven temperature outside of its temperature range. If the oven temperature is set outside of the temperature range, the oven will default to the nearest available temperature. Try to set the desired oven temperature again.

The cooktop settings may also be changed even after the appliance has been set for the Sabbath mode (Jewish Holidays only).

Should a power failure or interruption occur during the Sabbath/Holidays, the appliance will shut OFF. When power is restored the appliance will not turn back on automatically to the original BAKE feature settings. **SF** will appear in all the control display panels indicating a Sabbath mode failure. - *Figs. 1 & 2* -

After a power failure, the food may be safely removed from the oven while still in the Sabbath mode.

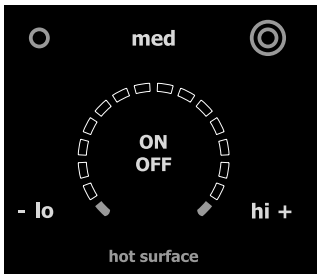


Fig. 1

Fig. 2

For further assistance, guidelines for proper usage and a complete list of models with the Sabbath feature, please vist the web at **http:\\www.star-k.org**.

Setting Sabbath mode

The example below shows setting the oven to observe the Sabbath (and Jewish holidays).

Example	
Step	Press
1. Press **UPPER OVEN**	UPPER OVEN
2. Press **BAKE**. Be sure to make any additional oven or cooktop setting changes before going to step 3.	
3. To enter Sabbath mode, press and hold both the **LO** and **HI** keys together for 3 seconds (a beep will sound) and release.	- lo & + hi

Once properly set in Sabbath mode, Sab -*Fig. 1*- will show in the oven display until such time the Sabbath mode is cancelled.

Fig. 1

Canceling Sabbath mode

The example below shows how to cancel the Sabbath mode.

Example	
Step	Press
1. Press and hold both the **LO** and **HI** keys together for 3 seconds (a beep will sound) and release:	- lo & + hi
2. All cooking features previously set and the cooktop will automatically cancel once Sabbath mode has ended.	

NOTES

The only keys available once the appliance is set for the Sabbath mode are + hi, - lo, UPPER OVEN, ◇ & ▽.

You may change the oven temperature and any cooktop settings once baking has started (Jewish holidays only). Choose oven and enter the oven temperature change (170 to 550F°) and press **START**. Remember that **the oven control will no longer beep or display any further changes** once the oven is set in the Sabbath mode.

Warmer oven features

The lower warmer oven is ideal for warming foods such as pizza, casseroles, baked potatoes and frozen convenience foods. Use the keep warm feature to keep hot cooked foods at serving temperature. The warmer oven may also be used to warm dinner plates.

⚠ WARNING

- **KEEP CHILDREN AWAY FROM THE LOWER WARMER OVEN WHEN HOT. FAILURE TO DO SO CAN RESULT IN BURNS.**

⚠ CAUTION

- Always use oven mitts when removing food from the lower oven. The lower oven rack, compartment, cookware/plates may be hot.
- Should an oven fire occur, close the drawer and turn the lower oven OFF. If the fire continues, use a fire extinguisher. **Do not** put water or flour on the fire. Flour may be explosive.

Recommendations for the warmer oven

- When placing food in the lower oven always use a baking sheet or pan with 4 raised sides to prevent food from sliding off.
- **DO NOT LINE THE OVEN DRAWER WITH FOIL OR COVER THE OVEN RACK WITH FOIL.** This may result in damage to your oven.
- The maximum height of foods and utensils that may be used in the warmer oven is 4". The maximum width is 15". **Pay close attention to foods that have potential to rise beyond the recommended 4" maximum height.**
- Use pans in the warmer oven large enough to contain food and any juices created from the cooking process.
- **Do not use plastic wrap to cover food. Plastic may melt onto the drawer or surrounding areas and be very difficult to clean.** Use a lid or aluminum foil instead. Use only utensils and cookware in the oven drawer that are recommended for oven use in the upper oven.

Arranging warmer oven rack positions

The warmer oven rack may be used two ways:

- In the upright position (See Fig. 1) to allow low profile food items to be placed both under and on top of the rack (for example, rolls or biscuits on top of the rack and a casserole dish underneath).
- In the downward position (See Fig. 2) to allow for light weight food items and empty cookware (for example, rolls or pastries and dinner plates) on the rack.

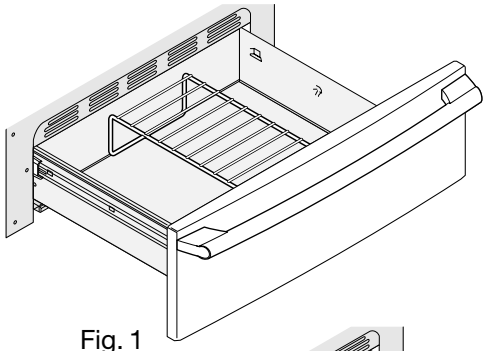


Fig. 1

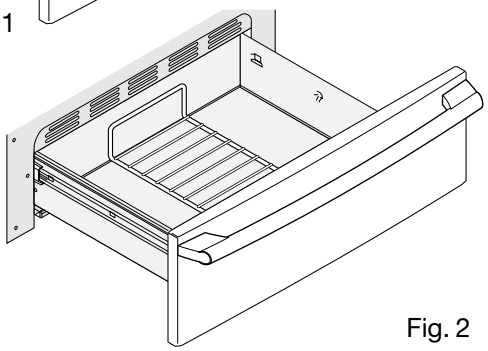


Fig. 2

For best results

- For best results with the warmer oven, pastries, casseroles with crumb toppings and bakery type items should be cooked in the upper oven.
- When using the warmer oven, limit the number of times the drawer is opened; this will minimize heat loss. Repeated opening of the drawer during the warming process may produce uneven results.

About keep warm in the warmer oven

Use the keep warm feature to keep cooked foods warm.

When using keep warm always start with hot food. Do not heat cold food.

Keep warm may be set with the following options:

- Cook time
- Cook time with end time

The following temperature settings apply to the keep warm feature:

- Auto-suggest (default) setting: **170°F / 76°C**
- Min. keep warm setting: **150°F / 66°C**
- Max. keep warm setting: **190°F / 88°C**

If you enter a temperature beyond this range your control will automatically default to the nearest temperature available.

⚠ WARNING

- **FOOD POISONING HAZARD. Do not let food sit for more than one hour before or after cooking. Doing so can result in food poisoning or sickness.**

NOTES

- The warmer oven will not operate when the upper oven is set for self-cleaning or the control lock feature is active.
- If the warmer oven is ON and a self-clean or control lock request is attempted, the oven control will deny the request with a triple beep.

To add or change any cook settings after this feature has started:

- Select the **UPPER** or **WARMER** oven you wish to change. Make temperature changes using the **+** or **-** keys. Each press of **+** or **-** will adjust the temperature by 5° F (or 2°C).
- If changing cooking times, select the **cook time** or **end time** keys needed to make the changes.

Temperature selection

See the recommended settings chart below for keep warm. If a particular food is not listed, use the default temperature of 170°F. If more crispness is desired, remove the lid or aluminum foil from the food. Most foods can be kept at serving temperatures at 170°F. When a combination of foods are to be kept warm (for example a meat with 2 vegetables and rolls) use 170°F.

Keep Warm Recommended Food Settings

Food Item	Heating Level
Hot Beverages	190°F
Fried Foods	190°F
Vegetables	170°F
Soups (Cream)	170°F
Stews	170°F
Sauces	170°F
Meats	170°F
Gravies	150°F
Eggs	150°F
Dinner Plates with Food	150°F
Casseroles	150°F
Breads/Pastries	150°F

Setting keep warm in the warmer oven

See example below to set keep warm for the warmer oven to start at 190°F / 88°C:

Example	
Step	Press
1. Press **WARMER OVEN**	WARMER OVEN
2. Press **KEEP WARM**	
3. Use **+hi** to increase the temp. to 190°F.	**+ hi**
4. Press **START**	

NOTES

- Use the **+hi** key to increase from the default keep warm temperature. Use the **- lo** to decrease the temperature.
- You may press **CANCEL** any time when setting the control or during the cooking process.

Warmer oven cleaning tips

For easier clean-up, the warmer oven should be cleaned as soon as the oven cools down. Clean after each use to minimize build-up of spatter and food leftovers. When cooking foods that spatter, cover the food with heatproof lid or foil. Use a mild detergent and water to clean the oven drawer and sides. For stubborn soils use a nonabrasive cleaning pad to remove soils. **DO NOT** use oven cleaners on the oven cavity.

Perfect Set™ user preferences

The key controls options for preferences. The display will show a digital abbreviation and a value for every preference each time a key is pressed one at a time.

Please read the following instructions before changing the user preferences functions:

- Press and continue to press USER PREF to navigate through the preferences.
- Press + hi or - lo to toggle between options for each preference.
- Press + hi or - lo to increase or decrease numeric values. You may also use the numeric keys to input precise values.
- Press START to accept a new option entry or press USER PREF to advance to the next preference.
- Press CANCEL after pressing START to exit the preferences mode .

Setting clock (CLO)

See the example below to set the clock to 1:30.

Example	
Step	Press
1. Press **USER PREF**.	
2. Enter **1:30** or use **+hi/-lo** to advance to 1:30.	**130**
3. Press **START** to accept or press **CANCEL** to reject.	

Setting clock display (CLO)

The clock display mode allows you to turn the clock display on or off.

See the example below to change the clock display to OFF.

Example	
Step	Press
1. Press and continue to press **USER PREF** until you reach the pre-set **clock display mode** *-Fig. 1-*.	
2. Use the **+hi** & **-lo** to toggle to the **CLO off** option *-Fig. 2-.*	+ hi or - lo
3. Press **START** to accept or press **CANCEL** to reject.	

Fig. 1

Fig. 2

NOTE

User preference options are not available while cooking or when using the kitchen timer.

Setting 12 or 24 hour mode

The clock display mode allows you to choose between 12 and 24 hour mode. The factory preset clock display mode is 12 hour.

See the example below to change the default mode to 24 hour.

Example	
Step	Press
1. Press and continue to press **USER PREF** until you reach the preset **clock display mode** *-Fig. 1-*.	
2. Use the **+hi** & **-lo** to toggle to the **24hr** option. *-Fig. 2-.*	**+ hi** or **- lo**
3. Press **START** to accept.	

Fig. 1

Fig. 2

Changing between F° or C° (F-C)

Your control has the ability to display and set Fahrenheit or Celsius temperatures. The factory preset temperature display is Fahrenheit.

See the example below to change the default temperature display to Celsius.

Example	
Step	Press
1. Press and continue to press **USER PREF** until you reach the **Fahrenheit/Celsius** mode. *-Fig. 1-*	
2. Use the **+hi** or **-lo** to toggle to the **C** option. *-Fig. 2-*	**+ hi** or **- lo**
3. Press **START** to accept or press **CANCEL** to reject.	

Fig. 1

Fig. 2

Setting 12hr energy saving mode (ES)

The oven control has a factory preset built-in 12 hour energy saving feature that will shut off the appliance if the oven has been heating for more than 11 hours and 59 minutes. The oven can be programmed to override this feature for continuous baking.

See the example below to turn off 12 hour energy saving mode.

Example	
Step	Press
1. Press and continue to press **USER PREF** until you reach the preset **12hr energy saving mode** *-Fig. 1-.*	
2. Use the **+hi** & **-lo** to toggle to the **off** option *-Fig. 2-.*	**+ hi** or **- lo**
3. Press **START** to accept or press **CANCEL** to reject.	

Fig. 1

Fig. 2

Setting audio mode (AUD)

The audio mode allows you choose between 6 levels of audio volume for the oven control. You may turn the audio off and later return to operating with all the normal audible sounds and alerts. The preheat and cook time features will still beep to alert you when to put your food in and take it out.

The factory preset audible level is 5.

See the example below when changing the audible level settings.

Example	
Step	Press
1. Press and continue to press **USER PREF** until you reach the preset **AUd** mode.	
2. Use the **+hi** or **-lo** to choose desired audio level *-Fig. 1* or to choose the **off** option *-Fig. 2.*	**+ hi** or **- lo**
3. Press **START** to accept or press **CANCEL** to reject.	

Fig. 1

Fig. 2

Adjusting oven temperature

User programmable offset (UPO)

Your appliance has been factory calibrated and tested to ensure an accurate baking temperature. For the first few uses, follow your recipe times and temperature recommendations carefully.

If you feel your oven is too hot or too cool from your baking experience, the oven temperature may be adjusted to your liking. The temperature may be increased up to +35°F (+19°C) or decreased down to -35°F (-19°C) from normal.

See the example below to decrease the temperature in the **upper oven**.

Example	
Step	Press
1. Press and continue to press **USER PREF** until you reach the pre-set **UPO** mode *-Figs. 1-*.	
2. Press **-lo** to adjust the temperature lower.	**-** **lo**
3. Use **-lo** to advance to -10 *-Fig. 2-*.	**-** **lo** or **10**
4. Press **START** to accept or press **CANCEL** to reject.	

To set the temperature higher use the **hi+** key.

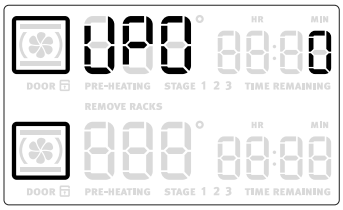


Fig. 1

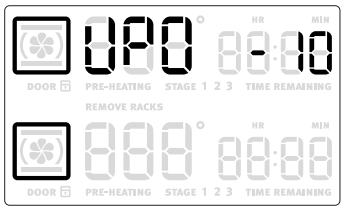


Fig. 2

Factory default reset (RST)

You may choose to restore your factory settings. **This will erase all settings or favorites that you have saved.**

See the example below reset your control.

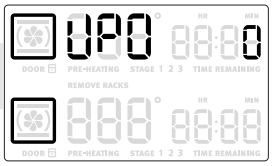
Example	
Step	Press
1. Press and continue to press **USER PREF** until you reach the factory default reset mode. *-Fig. 1-*	
2. Use the **+hi** or **-lo** to toggle to the **yes** option to reset *-Fig. 1-*.	**+ hi** or **- lo**
3. Press **CANCEL** if you decide not to reset.	

Fig. 1

Fig. 2

User preferences chart

The following chart will help you navigate through the user preferences.

User Preferences Options		
Preference	1st option	2nd option*
Setting clock		
Clock display		
12 or 24 hour mode		
F° or C°		
12hr energy save mode		
Audio mode *		
UPO upper oven		
Reset to factory pre-sets		

* Audio mode provides 6 possible settings.

Before starting self-clean

A self-cleaning oven automatically cleans with high temperatures that are well above those used for normal cooking. The self-clean feature eliminates soils completely or reduces them to a fine powdered ash that you can later easily wipe away with a damp cloth.

Adhere to the following precautions when running the self-clean cycle:

- **Do not** use oven cleaners or protective coatings in or around the oven interior.
- **Do not** clean the oven door gasket. The woven material of the oven door gasket is essential for a good seal. Care should be taken not to rub, damage or remove the gasket. *-Fig. 1-*
- **Do not** use any cleaning materials on the door gasket. Leaving chemical residue can damage the door gasket.
- **DO NOT** force the oven door open. The automatic door locking system can be damaged.
- **Remove** the broiler pan, insert, all utensils and any **aluminum foil.** These items cannot withstand high cleaning temperatures.
- All oven racks **MUST** be removed. If they are left in while attempting to set a self-clean cycle, the display will show **REMOVE RACKS** *-Fig. 2.* The oven control will not start a self-clean cycle without first removing all the oven racks.
- **Remove any excessive spillovers** in the oven cavity **before** starting a self-clean cycle. To clean, use hot, soapy water and a cloth. Large spillovers can cause heavy smoke or fire when subjected to high temperatures.
- Clean any soil from the oven frame, the door liner outside the oven door gasket and the small area at the front center of the oven bottom with soap and water. These areas heat sufficiently to burn soil on.
- **Do not** allow food spills with a high sugar or acid content (such as milk, tomatoes, sauerkraut, fruit juices or pie filling) to remain on the porcelain surface, they may leave a dull spot even after cleaning.

⚠ WARNING

During the self-clean cycle, the outside of the appliance can become very hot to the touch. **DO NOT** leave small children unattended near the appliance.

⚠ CAUTION

- DO NOT line the oven walls, oven racks, bottom or any other part of the range with aluminum foil. Doing so will stop heat distribution, produce poor baking results and cause permanent damage to the oven interior (aluminum foil will melt to the interior surface of the oven).
- Use caution when opening the door after the self-clean cycle is finished. The oven may still be **VERY HOT**.
- The health of some birds is extremely sensitive to the fumes given off during the self-cleaning cycle of any range. Move birds to another well-ventilated room.

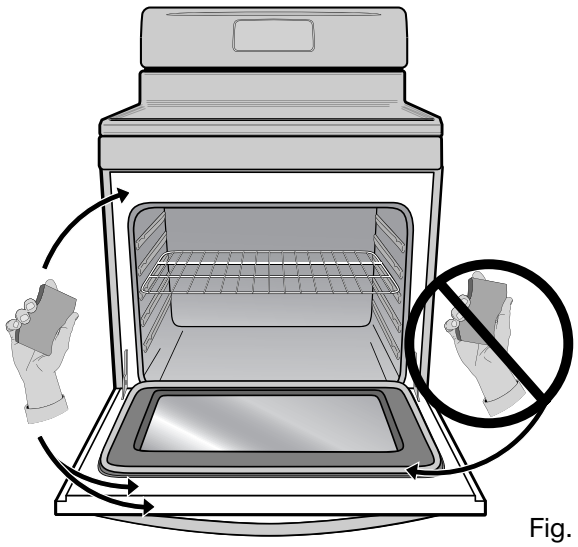


Fig. 1

Fig. 2

Setting self-clean

The clean feature provides 3 different choices for self-cleaning the upper oven. Set the clean for **lite** (2 hrs), **med** (3 hrs) or **heavy** soils (4 hrs). The example below shows setting the upper oven for self-clean to begin immediately using a medium (3 hour) setting:

Example	
Step	Press
1. Remove racks and press **UPPER OVEN**	UPPER OVEN
2. Choose **LITE, MED or HEAVY CLEAN**	or or
3. Press **START**	

After pressing start, the motorized oven door latch will automatically lock the door. The DOOR lock icon will flash (Fig. 1). Once the door has locked the DOOR lock icon will remain on through the entire self-clean cycle.

After self-clean, the oven may take about 30-40 minutes to cool and unlock. A **Hot** message (Fig. 2) will display during this period. After cooling the DOOR lock icon will flash and disappear indicating that the door has unlocked.

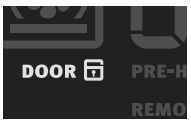


Fig. 1

Fig. 2

IMPORTANT

- The clean feature will not operate if ANY surface elements remain turned ON.
- A self-clean cycle will not start if the appliance has the CONTROL LOCK turned on.
- If a self-clean cycle was started but did not finish due to a power failure, your oven may not be completely cleaned. After power has been restored and the oven door has unlocked, set for another self-clean if needed.

Setting delayed self-clean

You may wish to set your appliance to perform a self-clean cycle sometime later (up to 12 hours later). The **END TIME** key will determine when the cleaning will stop.

You will need to set the **END TIME** out far enough to allow for the type of clean cycle you choose (2-3-4 hours). Remember to add 30-40 additional minutes for the oven to cool enough and the oven door to unlock.

The example below shows setting the upper oven for a lite (2 hour) self-clean cycle to end at 8:00 o'clock:

Example	
Step	Press
1. Remove racks and press **UPPER OVEN**	UPPER OVEN
2. Choose **LITE, MED or HEAVY CLEAN**	or or
3. Press **END TIME**	
4. Enter **800**	**800**
5. Press **START**	

NOTES

- You may press **CANCEL** any time during the cleaning process. After cancelling the self-clean cycle, do not attempt to open the oven door until the DOOR lock icon turns off.
- If you desire to set a delayed self-clean cycle to end in 12-24 hours, use the **USER PREF** key to set the 12hr energy saving mode (ES) to OFF and also set the clock mode (CLO) to 24 hr.

Cleaning Recommendations	
Surface Type	**Cleaning Recommendation**
• **Aluminum (trim pieces) & vinyl**	Use hot, soapy water and a cloth. Dry with a clean cloth.
• **Painted or plastic control knobs** • **Body parts,** • **Painted decorative trim**	*For general cleaning*, use hot, soapy water and a cloth. *For more difficult soils and built-up grease*, apply a liquid detergent directly onto the soil. Leave on soil for 30 to 60 minutes. Rinse with a damp cloth and dry. **Do not** use abrasive cleaners on any of these materials; they can scratch. To remove control knobs (some models), turn to the OFF position; grasp firmly and pull straight off the shaft. To replace knobs after cleaning, line up the flat sides of both the knob and the shaft; then push the knob into place.
• **Chrome control panel** (some models) • **Decorative trim** (some models) • **Stainless steel** (some models)	*Before cleaning the control panel,* turn all controls to OFF and remove the control knobs (some models). To remove, pull each knob straight off the shaft. Clean using hot, soapy water and a dishcloth. Rinse with a clean water using a dishcloth. Be sure to squeeze excess water from the cloth before wiping the panel; especially when wiping around the controls. Excess water in or around the controls may cause damage to the appliance.To replace knobs after cleaning, line up the flat sides of both the knob and the shaft; then push the knob into place. **Stainless Steel** (some models). Clean the stainless with warm soapy water using a clean sponge or cloth. Rinse with clean water and dry with a soft clean cloth. **Do not** use harsh scrubbing cleaners. Only use kitchen cleaners that are especially made for cleaning Stainless Steel. Always be sure to rinse the cleaners from the surface as bluish stains may occur during heating that cannot be removed.
• **Porcelain enamel broiler pan and insert** (some models) • **Door liner & body parts** • **For Warmer Oven cleaning instructions see the Warmer Oven section.**	Gentle scouring with a soapy non-abrasive scouring pad will remove most spots. Rinse with a 1:1 solution of clear water and ammonia. *If necessary*, cover difficult spots with an ammonia-soaked paper towel for 30 to 40 minutes. Rinse with clean water and a damp cloth, and then scrub with a non-abrasive soap-filled scouring pad. Rinse and wipe dry with a clean cloth. Remove all cleaners or the porcelain may become damaged during future heating. **Do not** use spray oven cleaners on the cooktop.

Cleaning Recommendations	
Surface Type	**Cleaning Recommendation**
• **Oven racks**	**Oven racks must be removed.** Clean by using a mild, abrasive cleaner following manufacturer's instructions. Rinse with clean water and dry.
• **Oven door**	Use soap & water to thoroughly clean the top, sides and front of the oven door. Rinse well. You may use a glass cleaner on the outside glass of the oven door. **Do not** immerse the door in water. **Do not spray or allow water or the glass cleaner to enter the door vents.** Do not use oven cleaners, cleaning powders or any harsh abrasive cleaning materials on the outside of the oven door. **Do not** clean the oven door gasket. The oven door gasket is made of a woven material, on Self-Cleaning models, which is essential for a good seal. Care should be taken not to rub, damage or remove this gasket.
• **Ceramic cooktop**	See Cooktop Cleaning and Maintenance in the **Care & Cleaning** section.

Cooktop maintenance

Consistent and proper cleaning is essential to maintaining your ceramic glass cooktop.

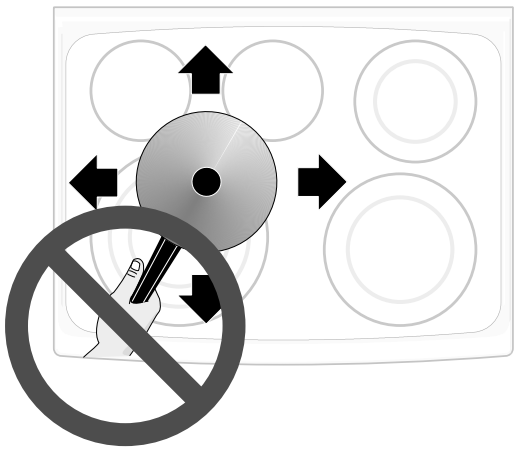
Prior to using your cooktop for the first time, apply some of the cooktop cleaner supplied with your new appliance. Buff with a **nonabrasive** cloth or no-scratch cleaning pad. This will make cleaning easier when soiled from cooking. The special cooktop cleaning cream leaves a protective finish on the glass to help prevent scratches and abrasions.

Sliding aluminum or copper clad bottom pans on the cooktop can cause metal markings on the cooktop surface. These marks should be removed **immediately** after the cooktop has cooled using the cooktop cleaning cream. Metal marks can become permanent if not removed prior to future use.

Cookware (cast iron, metal, ceramic or glass) with rough or dirty bottoms can mark or scratch the cooktop surface.

Do not:

- Slide anything metal or glass across the cooktop.
- Use cookware with dirt or dirt build up on bottom; replace with clean cookware before using.
- Use your cooktop as a cutting board or work surface in the kitchen.
- Cook foods directly on the cooktop surface without a pan.
- Drop heavy or hard objects on the ceramic glass cooktop, they may cause it to crack.



Cooktop cleaning

⚠ CAUTION

Before cleaning the cooktop, be sure the controls are turned to OFF and the cooktop is COOL.

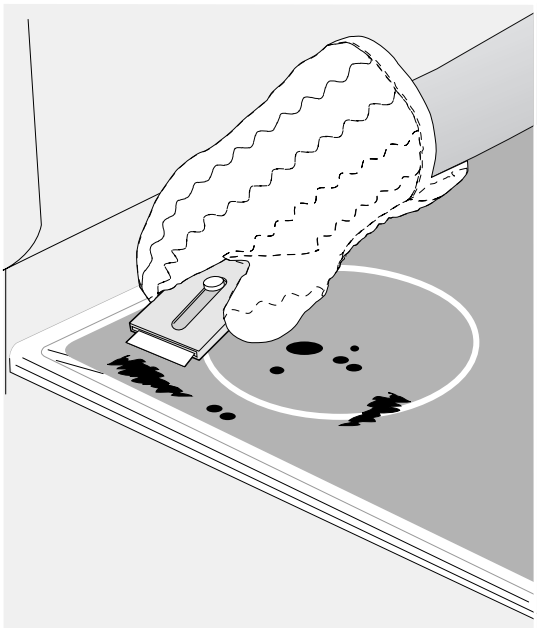
For light to moderate soil:

Apply a few drops of the ceramic glass cooktop cleaner directly to the cooktop. Use a paper towel or use a **nonabrasive** plastic type no-scratch cleaning pad to clean the entire cooktop surface. Make sure the cooktop is cleaned thoroughly, leaving no residue.

For heavy, burned on soil:

Apply a few drops of the ceramic glass cooktop cleaner directly to the soiled area. Rub the soiled area using a **nonabrasive** plastic type no-scratch cleaning pad, applying pressure as needed. Do not use the pad you use to clean the cooktop for any other purpose.

If soils remain, carefully scrape soils with a metal razor blade scraper, holding scraper at a 30 degree angle to the surface. Remove loosened soils with cooktop cleaning cream and buff surface clean.



Cooktop cleaning

Plastic or foods with a high sugar content:

These types of soils need be removed immediately if spilled or melted onto the ceramic cooktop surface. Permanent damage (such as pitting of the cooktop surface) may occur if not removed **immediately**. After turning the surface elements OFF, use a razor blade scraper or a metal spatula with a mitt and scrape the soil from the hot surface (as illustrated). Allow the cooktop to cool, and use the same method for heavy or burned on soils.

IMPORTANT

Damage to the ceramic glass cooktop may occur if you use an abrasive type cleaning pad. Only use cleaning products that have been specifically designed for ceramic glass cooktops.

Do not use the following on the cooktop:

- Do not use abrasive cleaners and scouring pads, such as metal and some nylon pads. They may scratch the cooktop, making it more difficult to clean.
- Do not use harsh cleaners, such as chlorine bleach, ammonia or oven cleaners, as they may etch or discolor the cooktop.
- Do not use dirty sponges, cloths or paper towels, as they can leave soil or lint on the cooktop which can burn and cause discoloration.

Special caution for aluminum use on the cooktop

- **Aluminum Foil -** Use of aluminum foil on a hot cooktop will damage the ceramic cooktop. Do not use thin aluminum cooking utensils or allow aluminum foil to touch the ceramic cooktop under ANY circumstances.
- **Aluminum utensils -** The melting point of aluminum is much lower than that of other metals. Care must be taken when aluminum pots or pans are used on the cooktop. If allowed to boil dry, not only will the utensil be destroyed, but it may fuse to, break or mark the ceramic glass surface, permanently damaging the cooktop surface.

The oven door with Luxury-Hold™ hinges

⚠ CAUTION

To prevent possible burns, do not attempt to remove the oven door until the oven has completely cooled.

IMPORTANT

The oven door is heavy. Be careful when removing and lifting the door. Do not lift the oven door by the handle.

1. Fully open the oven door -*Fig. 1-*.
2. Unlock both oven door hinge locks by pulling them up and away from the oven frame until they stop (unlocked position) -*Figs. 2-*. If needed use a small flat-bladed screwdriver to assist with loosening the door hinge locks.
3. Firmly grasp both sides of oven door -*Fig. 3-*.
4. Before completing this step, be prepared to hold the whole weight of the door while grasping the sides of the oven door with both hands. Hold midway down the oven door sides. Close the oven door to about 4 inches and continue closing beyond the door stop position. The oven door should release from the frame on its own. -*Fig. 3-*.
5. Carefully lift door away evenly, slightly up and out until both hinge arms are clear of the hinge slots in the oven frame -*Fig. 3- .* After door has been removed, be sure to lay the door flat with the inside of the door downward (never rest the oven door with any weight on the door handle).

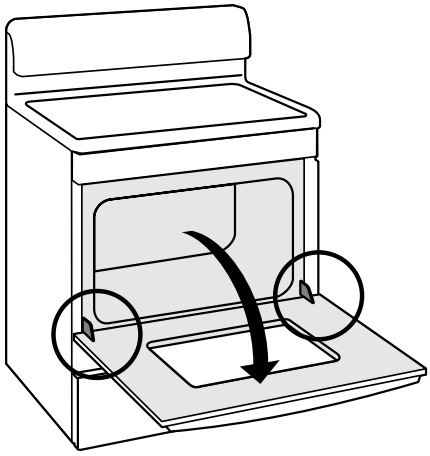


Fig. 1

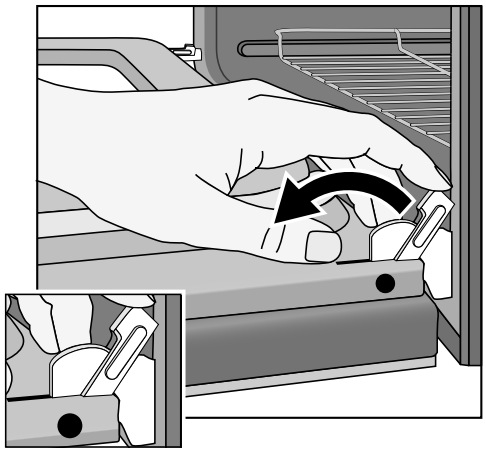


Fig. 2

Fig. 3

The oven door with Luxury-Hold™ hinges

To replace the Lift-Off oven door

1. Firmly grasp the oven door along both sides just below the door handle. When positioning the door hinge arms with the door hinge slots in the oven frame, you may wish to use your knee to stabilize the door before attempting to insert the door hinge arms in the hinge slots -*Fig. 1-.*
2. Position the angle of the door to the door removal angle and carefully insert the door hinge arms fully and evenly into the door hinge slots. Carefully let the weight of the door transfer from your hands so that the oven now supports the oven door.
3. Open the oven door down to the fully open position -*Fig. 2-.*
4. With the door in the fully open position, push both oven door hinge locks toward the oven frame until they both are locked -*Fig. 3-.*
5. Close the oven door.

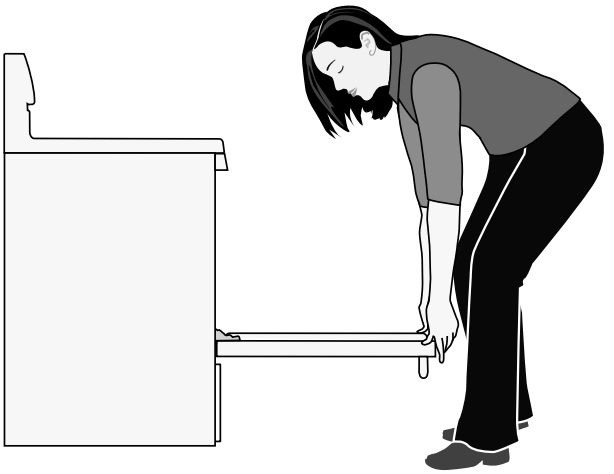


Fig. 2

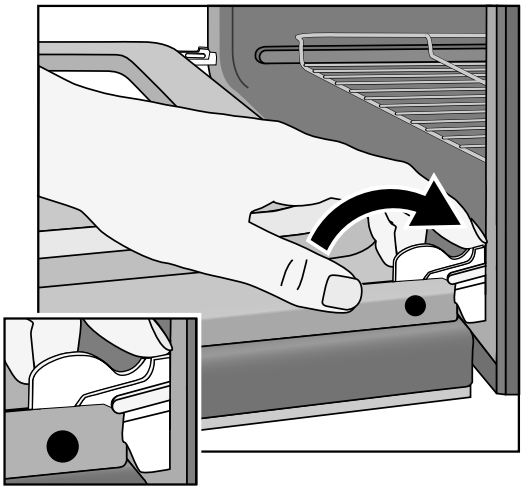


Fig. 3

Fig. 1

Special door care instructions

IMPORTANT

Most oven doors contain glass that can break. Read the following recommendations:

- **Do not** close the oven door until all the interior oven racks are fully inserted and retracted to the back of the oven.
- Do not hit the glass with pots, pans, or any other object. The oven door glass may break or even break at a later time unexpectedly.
- Scratching, hitting, jarring or stressing the oven door glass may weaken its structure causing an increased risk of breakage at a later time.
- You may use a glass cleaner on the outside of the oven door glass. **Do not spray** or allow water or the cleaner to enter or drip down into the oven door vents. Spray cleaner on cloth first and then wipe the oven door clean.
- **Do not** use strong oven cleaners, powders or any harsh abrasive cleaning materials on the outside of the oven door or glass.
- **Never clean** the oven door gasket. The oven door gasket should always clean during the Self-clean cycle.

Changing upper oven lights

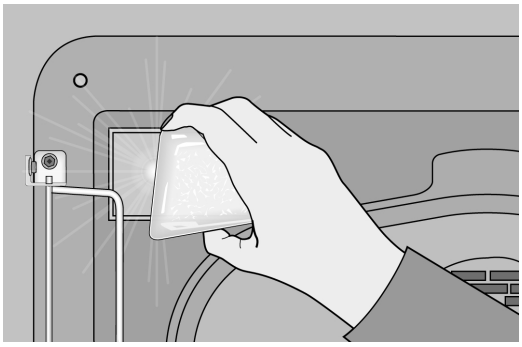
CAUTION

- Be sure the range is unplugged and all parts are COOL before replacing oven light. Wear a leather-faced glove for protection against possible broken glass or burns.

The upper oven light bulbs are located at the rear of the oven cavity and both are covered with a glass shield. The glass shield must be in place whenever the oven is in use.

Replacing the upper oven interior light bulbs:

1. Turn electrical power off at the main source or unplug the appliance.
2. Remove upper oven interior light shield as illustrated below.
3. Replace bulb with a new **T-4 type 40 Watt Halogen** appliance bulb. Please note: do not allow your fingers to touch the new bulb when replacing. This will shorten the life of the new bulb. Use a paper towel to cover the new bulb when installing.
4. Replace glass shield over bulb.
5. Turn power back on again at the main source (or plug the appliance back in).
6. The clock will then need to be reset.



Solutions to Common Problems

Before you call for service, review the following list. It may save you time & expense. The list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Before you call	
Problem	**Solution**
Appliance is not level	• Be sure floor is level, strong & stable enough to adequately support range. • If floor is sagging or sloping, contact a carpenter to correct the situation. • Poor installation. Place oven rack in center of oven. Place a level on the oven rack. Adjust leveling legs at base of appliance until the oven rack is level. • Kitchen cabinet alignment may make range appear not level. Be sure cabinets are square & have sufficient room for appliance clearance.
Cannot move appliance easily. Appliance must be accessible for service	• Cabinets not square or are built in too tightly. Contact builder or installer to make appliance accessible. • Carpet interferes with appliance. Provide sufficient space so appliance can be lifted over carpet.
Surface element too hot or not hot enough	• Incorrect control setting. Be sure the correct control is ON for the element that you are attempting to use.
Surface element does not heat	• Lightweight or warped pans used. Use only flat, evenly balanced, medium or heavyweight cookware. Flat pans heat better than warped pans. Cookware materials and weight of the material affect heating. Heavy & medium-weight pans heat evenly. Because lightweight pans heat unevenly, foods may burn easily.
Entire appliance does not operate	• The time of day is not set. The time of day **must** first be set in order to operate the oven. See “Setting clock at power up” in the **Getting Started** section. • Make sure cord/plug is plugged correctly into outlet. • Service wiring is not complete. Contact your dealer, installing agent or authorized service agent. • Electrical power outage. Check house lights to be sure. Call your local electric company for service.
Oven does not operate	• Be sure the oven controls are set properly for the desired cooking feature. See **Setting Oven Controls** in this Use & Care Guide or read the instructions “**Entire appliance does not operate**” in this checklist.
Oven light does not work	• Replace bulb. See **“Changing oven lights”** section in this Use & Care Guide.

Before you call	
Problem	**Solution**
Oven smokes excessively during broiling	• Control not set properly. Follow broiling instructions under **Setting Oven Controls**. • Make sure oven door is opened to **broil stop position.** • Meat too close to the broil element. Reposition the broil rack to provide proper clearance between the meat & the element. Preheat the broil element for searing. • Meat not properly prepared. Remove excess fat from meat. Cut remaining fatty edges to prevent curling, but do not cut into lean. • Insert on broiler pan wrong side up & grease not draining. Always place grid on the broiler pan with ribs up & slots down to allow grease to drip into pan (some models). • Grease has built up on oven surfaces. Regular cleaning is necessary when broiling frequently. Old grease or food spatters cause excessive smoking.
Flames inside oven or smoking from oven vent	• Excessive spillovers in oven. For example this will happen for pie spillovers or large amounts of grease left on the oven bottom. Wipe up excessive spillovers before starting oven. If flames or excessive smoke are present see “About broiling” in the **Setting Oven Controls** section.
Oven control panel beeps & displays any F code error (for example F10, F11, F13, F14, F15, F20, F23, F25, F30, F31 or F90)	• Oven control has detected a fault or error condition. Press **CANCEL** to clear the display & stop beeping. Try the bake or broil feature again. If the F code error repeats, remove power supply to appliance, wait 5 minutes and then repower the appliance and set clock for the time of day. Try the bake or broil feature again. If the fault recurs, record fault and call for service.
Oven control panel beeps & cooktop control displays any E code error (some models, for example E11, E13 or E14)	• Cooktop control has detected a fault or error condition. If the E code error persists, remove power supply to appliance, wait 5 minutes and then repower the appliance and set clock for time of day. Try the cooktop setting again. If the fault recurs, record E code fault and call for service.

Solutions to Common Problems

Before you Call	
Problem	**Solution**
Scratches or abrasions on cooktop surface	• Coarse particles such as salt or sand between cooktop and utensils can cause scratches. Be sure cooktop surface and bottoms of utensils are clean before usage. Small scratches do not affect cooking and will become less visible with time. • Cleaning materials not recommended for ceramic-glass cooktop have been used. See "**Cooktop Cleaning and Maintenance** in the **Care and Cleaning** section of this Use & Care Guide. • Cookware with rough bottom has been used. Use smooth, flat-bottomed cookware.
Metal marks on the cooktop	• Sliding or scraping of metal utensils on cooktop surface. Do not slide metal utensils on cooktop surface. Use a ceramic-glass cooktop cleaning creme to remove the marks. See "Cooktop Cleaning and Maintenance" in the **Care and Cleaning** section.
Brown streaks or specks on cooktop surface	• Boilovers are cooked onto surface. Use razor blade scraper to remove soil. See "Cooktop Cleaning and Maintenance" in the **Care and Cleaning** section.
Areas of discoloration with metallic sheen	• Mineral deposits from water and food. Remove using a ceramic-glass cooktop cleaning creme. Use cookware with clean, dry bottoms.
Poor baking results	• Many factors affect baking results. Make sure the proper oven rack position is used. Center food in the oven and space pans to allow air to circulate. Allow the oven to preheat to the set temperature before placing food in the oven. Try adjusting the recipe's recommended temperature or baking time. If you feel the oven is too hot or cool, see “Adjusting Oven Temperature” in **Setting Your Preferences** section of this Use & Care Guide.

Your appliance is covered by a one year limited warranty. For one year from your original date of purchase, Electrolux will repair or replace any parts of this appliance that prove to be defective in materials or workmanship when such appliance is installed, used, and maintained in accordance with the provided instructions. In addition, the glass cooktop or radiant surface element of your appliance (excluding built-in and free-standing range appliances) is covered by a two through five year limited warranty. During the 2nd through 5th years from your original date of purchase, Electrolux will provide a replacement glass cooktop or radiant surface element for your appliance which has proven to be defective in materials or workmanship when such appliance is installed, used, and maintained in accordance with the provided instructions.

Exclusions

This warranty does not cover the following:

1. Products with original serial numbers that have been removed, altered or cannot be readily determined.
2. Product that has been transferred from its original owner to another party or removed outside the USA or Canada.
3. Rust on the interior or exterior of the unit.
4. Products purchased “as-is” are not covered by this warranty.
5. Products used in a commercial setting.
6. Service calls which do not involve malfunction or defects in materials or workmanship, or for appliances not in ordinary household use or used other than in accordance with the provided instructions.
7. Service calls to correct the installation of your appliance or to instruct you how to use your appliance.
8. Expenses for making the appliance accessible for servicing, such as removal of trim, cupboards, shelves, etc., which are not a part of the appliance when it is shipped from the factory.
9. Service calls to repair or replace appliance light bulbs, air filters, water filters, other consumables, or knobs, handles, or other cosmetic parts.
10. Labor or in-home service costs during the additional limited warranty periods beyond the first year from your original date of purchase.
11. Pickup and delivery costs; your appliance is designed to be repaired in the home.
12. Surcharges including, but not limited to, any after hour, weekend, or holiday service calls, tolls, ferry trip charges, or mileage expense for service calls to remote areas, including the state of Alaska.
13. Damages to the finish of appliance or home incurred during transportation or installation, including but not limited to floors, cabinets, walls, etc.
14. Damages caused by: services performed by unauthorized service companies; use of parts other than genuine Electrolux parts or parts obtained from persons other than authorized service companies; or external causes such as abuse, misuse, inadequate power supply, accidents, fires, or acts of God.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER’S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE REPAIR OR REPLACEMENT AS PROVIDED HEREIN. **CLAIMS BASED ON IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW, BUT NOT LESS THAN ONE YEAR.** ELECTROLUX SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES SUCH AS PROPERTY DAMAGE AND INCIDENTAL EXPENSES RESULTING FROM ANY BREACH OF THIS WRITTEN LIMITED WARRANTY OR ANY IMPLIED WARRANTY. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THESE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WRITTEN WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

If You Need Service

Keep your receipt, delivery slip, or some other appropriate payment record to establish the warranty period should service be required. If service is performed, it is in your best interest to obtain and keep all receipts. Service under this warranty must be obtained by contacting Electrolux at the addresses or phone numbers below.

This warranty only applies in the USA, Puerto Rico and Canada. In the USA and Puerto Rico, your appliance is warranted by Electrolux Major Appliances North America, a division of Electrolux Home Products, Inc. In Canada, your appliance is warranted by Electrolux Canada Corp. Electrolux authorizes no person to change or add to any obligations under this warranty. Obligations for service and parts under this warranty must be performed by Electrolux or an authorized service company. Product features or specifications as described or illustrated are subject to change without notice.

USA
1-877-435-3287
Electrolux Major Appliances North America
10200 David Taylor Drive
Charlotte, NC 28262

Canada
1-800-265-8352
Electrolux Canada Corp.
5855 Terry Fox Way
Mississauga, Ontario, Canada L5V 3E4

Electrolux